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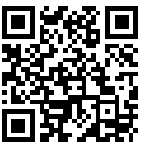

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REGULATIONS

FOR THE

EQUIPMENT OF THE REGULAR ARMY.

PART I.

1900.

LONDON:
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PRINTERS IN ORDINARY TO HER MAJESTY.

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REGULATIONS

FOR THE

EQUIPMENT OF THE REGULAR ARMY.

PART I.

1900.

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VICTORIA R.I.

WHEREAS Our Principal Secretary of State for the War Department has submitted to Us consolidated and revised General Regulations for the Equipment of Our Army and the Armament of Our Works of Defence; and whereas We have been pleased to approve the same;

OUR WILL AND PLEASURE IS that these Regulations be the sole and standing authority on the matter herein treated of, excepting all matters relating to the equipment of such part of Our Army as may be stationed in Our Indian Empire; provided always, that Our Principal Secretary of State shall, until Our further pleasure be made known, have full power to make, with regard to the details of equipment, and to the general arrangements for equipment applicable in time of war, such additional Regulations, or modifications in the Regulations attached to this Our Warrant, as may be necessary in the interests of Our Service. The administration and interpretation of these Regulations shall likewise rest with Our Principal Secretary of State.

Our Warrant of the 16th of December, 1897, and the Regulations established thereby, are hereby cancelled.

Given at Our Court at Windsor, this 15th day of November, 1899, in the 63rd year of Our Reign.

By Her Majesty's Command,

LANSDOWNE.

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DEFINITIONS.

N.B.—The following terms used in these Regulations will have the signification shown :—

Unit .... Units are bodies of troops each under a separate Commanding Officer who is an Accountant.

Accountant .... Any Officer who receives and holds Army Equipment, and renders to the War Office a ledger account of the same.

Commanding Officer.... .... The Officer Commanding any Unit.

Principal Ordnance Officer.... The Officer at the head of the Army Ordnance Department at the Royal Arsenal, Woolwich.

Chief Ordnance Officer .... The Officer at the head of the Army Ordnance Department in any Military Command, and the Officer in Charge of the Central Small Arms Depôt, at Weedon.

Ordnance Officer .... The Officer in charge of Stores.

Regimental Artificers .... Non-commissioned Officers and Soldiers on the Regimental Establishment as Artificers, receiving pay as such, for the performance of special work.

Military Tradesmen.... .... Tradesmen enlisted as Soldiers, and receiving pay as such, but available when required for employment in their trades, receiving extra working pay.

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ABBREVIATIONS.

A. & S.	Ammunition and Store.
B.L.	Breech-loading.
B.W.G.	British Wire Gauge.
C.I.	Cast-iron.
D.P.	Drill purposes.
F.G.	Fine Grain.
F.S.	Field Service.
G.S.	General Service.
L.G.	Large Grain.
L.S.	Land Service.
M.-E.	Martini-Enfield.
M.-H.	Martini-Henry.
M.-M.	Martini-Metford.
M.L.	Muzzle-loading.
M.L.-E.	Magazine Lee-Enfield.
M.L.-M.	Magazine Lee-Metford.
M.T.	Morris Tube.
N.P.	New Pattern.
O.P.	Old Pattern.
O.R.	Other Ranks.
P.	Pebble ($\frac{5}{8}$-inch cubical).
$P.^2$	Pebble ($1\frac{1}{2}$-inch cubical).
R. & F.	Rank and File.
R.B.L.	Rifled, Breech-loading.
R.F.G.	Rifle, Fine Grain.
R.L.G.	Rifle, Large Grain.
R.M.L.	Rifled, Muzzle-loading.
S.A.	Small-arm.
S.A.A.	Small-arm Ammunition.
S.S.	Staff Serjeants.
V.E.	Valise Equipment.
W.G.	Wire Gauge.
W.I.	Wrought-iron.
Wt.O.	Warrant Officer.

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[The amendments made in the Regulations of 1898, are denoted by a black line in the margin. As some typographical errors may have occurred in publication, it is requested that, should any be discovered, they may be at once pointed out, in writing, to the Under Secretary of State for War.]

REGULATIONS FOR THE EQUIPMENT OF THE REGULAR ARMY, 1900.

PART 1.—GENERAL REGULATIONS.

SECTION I.—DUTIES OF OFFICERS.

I.—INTRODUCTORY.

Strict adherence to regulations enjoined.

1. The following regulations for the equipment of the Regular Army and for the maintenance of the armaments of works, are promulgated for the information and guidance of officers concerned. The proportions of ammunition and stores, materials for repair, tables of duration, and details of equipment contained therein will be strictly adhered to. Regulations relating exclusively to artillery will be found in Part 2, Artillery Special Instructions and Details. No details of establishment of equipment for submarine mining, permanent telegraph, telephone and signal stations are given, special scales being authorised for each station concerned, but the general procedure as regards demand, supply, and disposal of such equipment will be as herein laid down.

Definitions.

2. For definitions of the terms describing commanding and other officers in these Regulations *see* page iv, and for abbreviations *see* page v.

Nomenclature.

3. In describing stores in equipment ledgers, requisitions, &c., the designations and sections of the vocabulary issued by the War Office will be strictly followed. Articles not included in the vocabulary will be headed "not in vocabulary" and grouped under the several sections to which, from the nature of the articles or their intended use, they would properly apply. They will also be described by drawings or otherwise, where requisite, in order to obviate the necessity of making further reference. In giving dimensions, feet and inches are always to be expressed in words.

Drawing.

Dimensions.

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II.—DUTIES OF GENERAL OFFICERS COMMANDING.

General responsibility.

4. General Officers Commanding will keep themselves informed as to the condition and completeness of the armaments and equipments in their respective commands, and will satisfy themselves that the articles which would be drawn from the ordnance depôt in their districts on mobilization are serviceable, complete, and conveniently stored for issue. The entire responsibility for the efficient custody and maintenance of mobilization stores rests with the General Officers Commanding Districts.

4A. General officers commanding will cause the following mobilization equipment to be inspected twice yearly, in April and September by a board of officers :—

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(1). That in possession of units.

(2). The personal equipment and ammunition held at the headquarters of regimental districts and elsewhere for reservists.

(3). The equipment held by Army Ordnance Department for units with special nuclei, such as ammunition columns and parks.

Inspection of mobilization equipment.

The following officers will sit on the board :—

(1). The chief ordnance officer of the district in which the equipment is stored will be a member in all cases.

(2). In the case of equipment in charge of units, the officer commanding, and in the case of battery mobilization equipment the lieutenant-colonel commanding the division of artillery to which the battery belongs.

(3). In the case of equipment held by Army Ordnance Department for units with special nuclei :—

Cavalry Brigade Ammunition Columns.—The officer commanding the battery Royal Horse Artillery which on mobilization would form part of the same cavalry brigade.

Infantry Divisional Ammunition Columns.—The officer commanding the brigade division to which the column would belong on mobilization.

Corps Troops Ammunition Columns :—

(i.) The General Officer Commanding R.A., Aldershot.

(ii.) The officer commanding R.A., Eastern District.

(iii.) The officer commanding R.A., Woolwich.

Ammunition Parks.—The officer commanding Royal Artillery in the district in which the park mobilises.

The proceedings will be transmitted to the War Office on Army Form G 1097. In the case of special nuclei it will be recorded on this form whether the warrant officer in charge separately accounts for the equipment in Army Book 183, instead of in the consolidated mobilization account of the station, and if the nuclei are thoroughly acquainted with the organisation of their unit, and the packing of the material of which it consists.

Issues in excess of authorised proportions.

5. The General Officer Commanding will be responsible that equipment of all kinds is issued to the troops for service purposes, in accordance with the authorised proportions, but in cases in which it is found necessary that these should be exceeded, he will give authority in writing to the chief ordnance officer to provide for the requirements of the service according to circumstances.

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6. The General Officer Commanding will, when such issues are of an exceptionally large nature, report full details quarterly to the War Office, stating whether the issues are of a temporary nature on loan, or are to be considered as a permanent addition to an establishment. Report of excess issues. A.O. 154 1895

7. In the event of any unnecessary delay occurring in the supply of equipment, the General Officer Commanding will report the circumstance, with the explanation of the chief ordnance officer, to the War Office. Delay in supply.

III.—DUTIES OF COMMANDING OFFICERS.

8. Commanding officers will be held directly responsible that their equipments, including stores held on charge by units for mobilization, are in a serviceable condition, in proper working order, complete in all their details, and in the authorised proportions unless otherwise specially ordered. They will make frequent inspections of the whole of the equipments of the men and horses under their command; and when any defects are discovered therein, will at once take steps to have them remedied. Officers who are likely to require renewal or exchange of any considerable part of their equipment will give early intimation of the same to the Chief Ordnance Officer. Responsibility of commanding officers.

9. They will be held responsible, in the case of alterations of pattern, or of changes in the proportions in which articles forming their equipments are issued, that the necessary action is taken to provide for such changes. In case of change of pattern, &c.

9A. They will compare the quantities of mobilization stores when in their charge, as shown by the mobilization store tables of their respective units, with the remains of the stores shown at the end of their equipment ledgers on the 31st March in each year. A certificate will be furnished at the end of the ledger that this has been done, and a detail, with explanations, will be given of any discrepancies found.

10. Alterations of articles of equipment involving any departure from the sealed patterns, either for experiment or any other purpose, are strictly forbidden without the previous sanction of the War Office. Alterations of articles of equipment forbidden.

11. On a change of command a regimental board will be assembled to take stock of the equipment and verify the ledger balance. Both the incoming and the outgoing officers, or their representatives, should be present and sign the proceedings, which will be certified in the form shown in Appendix I and accompany the regimental equipment ledger, on transmission of the latter as laid down in that appendix. Regimental board on change of command.

12. In the case of a transfer of charge of the equipment of a sub-district in an artillery district, the verification of the stores in connection with the armaments by a board of officers, need not be carried out unless at the request of either of the officers concerned. Should such a request be made by either the officer handing over, or the one taking over charge, the officer commanding Royal Artillery will appoint a board of officers for the purpose. Should no board be assembled, the officer taking over charge will be held On transfer of charge of armaments.

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responsible for the correctness of the stores taken over by him, as shown by the balance on the 31st of the previous March, subject to the variation caused by subsequent duly vouched store transactions.

Deficiencies in equipments.

13. When deficiencies or damages are discovered on a transfer of the equipment and stores, the value of the articles deficient, or the cost of making good the damages, will be recovered from the officer giving over the command, unless he has been relieved of the responsibility by authority of the War Office. Where any loss, injury, or deterioration of equipment, other than personal, is clearly traceable to the neglect of a subordinate, the commanding officer who is liable may apply through the General Officer Commanding to the War Office to be relieved of the cost of replacing or repairing such equipment. In the case of personal equipment the usual steps will be taken to recover the cost of replacing or repairing.

Information to Army Ordnance Department.

14. In order to facilitate the maintenance of the equipment reserves, commanding officers will at all times furnish the ordnance officers with such information as they may require regarding the state of the equipments in their charge.

Correspondence with Army Ordnance Department.

15. All communications connected with the supply of equipment, whether authorised by, or in excess of, regulation, will be addressed to the chief ordnance officer, who will, if necessary, take the orders of the General Officer Commanding on the subject.

Delay in supply.

16. The commanding officer will bring to the notice of the General Officer Commanding any undue delay in the supply of any articles of equipment.

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SECTION II.—GENERAL SUPPLY OF EQUIPMENT.

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Paras. 17 *to* 21 *cancelled.*

I.—REQUISITIONS FOR EQUIPMENT.

Requisitions to be made direct on chief ordnance officer.

22. Officers who are direct accountants with the War Office for any portion of the service equipments will put forward requisitions for munitions of war, stores, and materials, to maintain the equipments for which they severally account, as well as for those required for the training and service of their units generally.

Preparation of.

The requisition will be prepared in copying ink on the authorised forms in accordance with the nomenclature in the priced Vocabulary of Stores, and a separate form (or separate division of such forms as are divided by perforation) will be used for the Weedon and each of the Woolwich sections affected ; the purpose for which the stores are required must be clearly shown, as well as the strength of the unit, the complete establishment or proportion of equipment allowed by regulation, the authority under which the stores are demanded, and the quantities in charge. The time that equipment to be replaced has been in use will also be stated in the case of those articles to which a period of duration has been assigned. Requisitions will be sent direct to the chief ordnance officer by the officer requiring the stores on the dates given in paragraph 24. When stores, ammunition, or equipment are demanded on payment, the requisition will be endorsed to that effect in red ink.

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Mobilization Tables to regulate peace establishments.

22A. The equipment of units laid down in the mobilization store tables (Army Forms G 1098) will regulate the peace as well as the mobilization establishments. In framing demands for articles on the peace establishment, commanding officers will refer to the paragraph or table of the Equipment or other Regulations, which authorises the issue of the peace equipment applied for, but the demand will in all cases be in accordance with the establishment of equipment laid down in the latest issues of the mobilization store tables.

23. *See* para. 279.

Requisitions to be made periodically.

24. Requisitions for equipment, for materials for its preservation, and for veterinary stores (*see* paragraph 264), will, except in cases of emergency, be made quarterly, on the 1st March, 1st June, 1st September, and 1st December.

Exceptional requisitions.

An exception as regards veterinary stores will, however, be made at Woolwich, where the requirements of the troops will be provided for by the district veterinary officer; and the following classes of stores will also be treated exceptionally :—materials for the repair of arms (including rifle and Rangoon oil, used for cleaning and preservation), accoutrements, harness and saddlery, and artificers' tools, which will be demanded annually, on the 1st March ; stable necessaries, paint, and materials for the repair of carriages, which will be demanded on the 1st September ; and practice and exercise ammunition as laid down in Part 1, Section VII. Camp equipment will be demanded when required, under Part 1, Section X.

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Articles not to be replaced unless thoroughly unserviceable.

25. Requisition will not be made for equipment to replace articles deemed unserviceable, until the commanding officer has satisfied himself that they are thoroughly unserviceable or cannot be repaired by the means at his disposal, notwithstanding that such articles may have already been in use for the period of duration assigned to them under Part 1, Section XVIII. Special authority will be required to support the exchange of any equipment still serviceable, or capable of being repaired regimentally.

On change of pattern.

26. On notification of a change of pattern, involving the immediate withdrawal of that in use, requisitions will be made without delay for the new equipment; but a commanding officer is not entitled to demand any article from store on account of any preference which he may have for a particular pattern.

Equipment to be completed before going on service abroad.

27. When units are ordered abroad, commanding officers will at once make requisition upon the chief ordnance officer, for all articles required to complete the equipments of their corps according to the scales authorised for the particular service.

28. (Omitted).

From officers commanding detachments, who are not accountants.

29. Officers commanding detachments who are not accountants, requiring articles of fixed equipment, will prepare and forward the requisitions for the same to the officers commanding their respective units for signature, before sending them to the Army Ordnance Department. When the stores are issued, a temporary receipt will be taken by the ordnance officer from the officer in command of the detachment, until the usual receipt and issue vouchers have been passed between the ordnance officer and the head-quarters of the unit. Should the articles be urgently required, the ordnance officer will make the issue at once, and the officer commanding the detachment will be responsible for the stores until he has procured a covering requisition from his commanding officer, and the vouchers have been passed.

Intermediate requisitions objectionable.

30. To obviate the necessity for intermediate demands, officers commanding will cause an inspection of the equipment to be made before preparing the quarterly requisitions. To meet immediate and unforeseen requirements, spare articles of equipment are supplied. Where accoutrements are lost, as for example through desertion, or arms are damaged to such an extent that the armourer cannot repair them, the wants can be temporarily met by using the equipment of men who are for the time non-effective.

Issues on payment.

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31. Articles of store are not as a rule issuable to commanding or other officers on payment, in time of peace, except by order of the War Office. But small-arm ammunition, and also arms, accoutrements, or saddlery, of Service patterns which form part of an officer's regulation equipment and which he may require for his own personal use, may be issued on prepayment.

Mode of repayment.

32. The value of stores issued on repayment, and of ammunition under paragraphs 164, 168, 168A, and 169, will be recovered by the district paymaster, priced vouchers on Woolwich Form 1, being furnished by the Principal Ordnance Officer, Woolwich, and on Army Form G 982, by other ordnance officers making the issue. The officers commanding corps to whom issues are made will forward the vouchers to their district paymasters, so that it may be shown where the value is credited, before returning them to the Army Ordnance Department.

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33. Stores for maintaining equipments, or for special service, are not to be appropriated to other purposes without special authority, obtained through the chief ordnance officer. Misappropriation of stores.

34. When stores have been reported as ready for issue, the troops will, if within a reasonable distance from the store depôt, arrange for their conveyance. Troops to draw their own stores

36. The supply of all equipment, except ammunition, due to units proceeding from one district to another, will be dealt with in the Army Ordnance Regulations. Supply. *See* A.O. Regulations.

37. When field companies of the Royal Engineers exchange stations, a portion of the equipment will be left behind by the out-going company and taken over by the in-coming company at each station. An officer of each company will proceed, within a week in advance, to the new station, to take over the stores to be left behind by the out-going company. The transfer of stores will be carried out in the manner laid down in paragraph 90. Equipment left behind on change of station by R.E.

A list of the stores that will usually be transferred by field companies is given in Part 2, Section X.

37A. When companies of the Army Service Corps exchange station, between England and Ireland, all the equipment, and material for its repair, &c., &c., held on charge, and detailed in Part 2, Section III for a Service Company, excepting arms, accoutrements, trumpets and bugles, will be left behind by the outgoing company, and taken over by the incoming company at each station. Ditto by A.S. Corps. 38407 Equipt. 1892

An officer and non-commissioned officer of each company will proceed in advance in sufficient time to the new station, to take over the stores to be left behind by the outgoing company.

The transfer of stores should be conducted under paragraph 90. The ammunition will be disposed of as laid down in paragraph 64.

Any stores due from the Army Ordnance Department to the outgoing company on requisitions, to complete or repair articles left behind, should be issued to the incoming company.

38. When the requisitions for camp equipment or materials for repair are large, the equipment forms with printed details will be used; but when small, the blank forms provided for such cases, Army Forms G 997 and G 1027, will be rendered. Forms for requisitions.

39. Tools for mounted services are issued to units, and held on charge by them in complete chests, and will be so demanded when required. Tools.

40. When small quantities of tools are required to be exchanged as unserviceable, they will be shown in detail in the requisition, for which purpose, either Army Form G 997, or a manuscript requisition may be used. Exchange of tools.

41. All vehicles of service pattern, whether in store or as equipment in possession of troops, should at all times be complete with the straps and other articles appertaining to them, as laid down in the Table of Accessories, Components and Spare Parts. These articles should be in the custody of the officer who has the vehicles in charge. Artillery wagons in possession of cavalry units will only hold the "other articles" on charge in the proportion laid down in Section II, Part 2 of Equipment Regulations. Straps, &c., for vehicles.

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II.—RECEIPT AND INSPECTION OF EQUIPMENT.

Inspections of packages on receipt from carriers.

42. When equipment is received by the troops the officers or others receiving it will, before giving a receipt to the carrier, ascertain that the various packages are in good order and condition. Should any appear to have been damaged in transit, either by wet or otherwise, or to have been tampered with, the circumstances will be recorded on the bill of lading or carrier's note, and pointed out to the person conveying the stores, the packages being opened, if necessary, in his presence.

Inspection.

43. The stores will be examined, as soon as possible after receipt, in the presence of not less than two officers, one being the officer responsible for the equipment, or an officer deputed by him.

Weighing of stores.

44. All packages will be weighed before being opened, and the ascertained weight compared with that marked on the outside. Should these weights differ in any instance, the contents will be at once counted, and compared with the numbers given on the packing note which each package should contain.

Number and weight.

45. Stores received by number and weight will be both counted and weighed.

Discrepancy.

46. In reporting any discrepancy, the fullest information will be given, all numbers and weights, and any marks upon the packages giving evidence of their having been tampered with, being carefully recorded. The packages, with their notes and all wrappers, will be retained until the inquiry closes.

Inspection of equipment.

47. The equipment will be carefully inspected, to determine that the articles delivered agree with the particulars in the vouchers, and that they are correct in point of quality and pattern.

Receiving officer's liability.

48. Should the above precautions be omitted, the officer receiving the stores will render himself liable for any discrepancies.

Ammunition and explosive stores in hermetically closed cases.

49. The hermetically closed cases in which fuzes, tubes, and certain other articles are issued, will not be opened until the contents are required for use. These cases with their contents, as well as packages containing small-arm ammunition and gunpowder, will be taken on charge unopened. Any defects or discrepancies which may be discovered when the stores are subsequently inspected or used, will be at once reported, and all names, dates, and marks upon the cases will be quoted.

Objections to equipment.

50. Objections that may arise on the ground of equipment being of an inferior quality or of an obsolete pattern, or for any other cause, will, if possible, be made by the commanding officer before the articles are taken on charge, as after the receipt has been signed the responsibility for the condition of the stores will devolve upon him. Serviceable articles are not to be objected to on account of their being part worn.

Report of discrepancies.

51. Should any discrepancies be discovered, or any articles be found damaged or unsuitable, the commanding officer, after endeavouring to ascertain the cause of loss or damage, will bring the matter to the notice of the chief ordnance officer of the district from which the issue had been made.

Report to War Office.

51A. In all cases in which the reports of officers commanding, or others, bring to notice inferiority of quality or pattern, the matter will be reported to the War Office if the General Officer Commanding considers further action necessary.

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52. A commanding officer in receipt of articles of equipment which are not brought on charge, will, pending the result of a report on their condition, be held responsible for their safe custody until a decision has been given as to their disposal, when he will either take them on charge or return them to store, as may be ordered. He will also be held responsible for the immediate return to store of any equipment issued to him, which, in cases of emergency, he may be unable to take on charge. Should he fail to carry out these instructions, he will be liable for any loss that may ensue.

Commanding Officers responsible for safe custody of stores not taken on charge.

III.—RETURN OF EQUIPMENT INTO STORE.

53. Whenever it becomes necessary or advisable to return equipments into store, except such as have been replaced on requisition, commanding officers will make application to the chief ordnance officer to receive them, stating their description, number, the time they have been in use, and the reasons for returning them into store; the authority, if any, should also be quoted.

Application to return equipment.

When guns, carriages and slides, for drill, practice, time, saluting, or instructional purposes, are unserviceable, demands to replace them may be put forward without reference to the War Office, but no replacement of guns, &c., in the armaments, and batteries of Royal Horse and Field Artillery, or volunteer batteries of position, should take place without previous reference to headquarters, unless under very exceptional circumstances, when the matter should be immediately reported.

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The disposal of the unserviceable guns, &c., which are to be replaced, or of any others which are of obsolete pattern, and no longer required, will be dealt with by the Principal Ordnance Officer, Woolwich, and full information as to their value, if proposed for sale locally, or cost of removal to store, should accompany demands for new guns, or suggestions for the disposal of obsolete ordnance, &c.

54. Articles of equipment will not be returned to store on the ground that they have been in use for the prescribed period of duration. They will continue in use until unserviceable, unless special authority has been given for their exchange.

Articles not to be replaced till unserviceable.

55. When stores are returned to the Army Ordnance Department, or issued to other accountants, two vouchers will be prepared in copying ink, viz., a receipt and an issue voucher. A separate division (as divided by perforation) will be used for the Weedon and each of the Woolwich Sections, and every section will bear the regimental or corps office stamp. The issue voucher will be signed by the ordnance officer receiving the stores, and returned to the officer handing them over.

Vouchers and receipts for returned stores.

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56. When stores are returned from a distance, receipt and issue vouchers will be sent by post, on the same day that the stores are despatched to the ordnance officer to whom they are consigned, and the following instructions will be observed :—

Vouchers for stores returned from a distance.

a. The date and number of the order directing the return of the stores will be inserted in the headings of both vouchers, and a corresponding date and number will be conspicuously marked on the outside of each case or package, so as to enable the consignee to identify them immediately on receipt. Each case, bale, or package will be weighed, and the weight marked upon it.

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b. A memorandum will be entered at the foot of the detailed list on the receipt voucher, specifying the date on which the articles were despatched, the name or designation of the carrier, and the mode of transit.

c. The receipt voucher will be signed by the consignor; and the issue voucher, duly signed by the consignee, will be returned as soon as practicable after the stores have been received.

O. C. to arrange for return of stores.

57. Commanding officers will make their own arrangements, as in the case of issues (*see* paragraphs 34 and 58), for the return of unserviceable and surplus equipments into store in camp and garrison.

Articles improperly returned.

58. Issues of regimental equipment, such as arms, accoutrements, harness and saddlery, to replace similar unserviceable articles in possession of a unit quartered at a station where there is an ordnance depôt from which the supply of the new will be received, will not be made until the unserviceable articles have been returned to the Army Ordnance Department, inspected, and condemned. The day and hour for exchange should be arranged for by communication between the ordnance officer and the officer commanding.

When the unit is quartered at another station the new articles will be supplied prior to the return of the unserviceable, and the officer commanding will, upon receipt thereof, immediately return the unserviceable, and will not cause any corps marks to be placed upon the new equipment until he receives notification from the ordnance officer that the articles returned are considered to be in a state for condemnation. The inspection and notification by the Army Ordnance Department will be carried out immediately the stores are received. Should any of the equipment so returned be found, on receipt by the Army Ordnance Department, to be not unserviceable, or still capable of repair by regimental artificers, the chief ordnance officer will call upon the officer commanding to furnish an explanation for the information of the General Officer Commanding, who will decide whether the troops should be held liable, or a board of officers be assembled to investigate the matter. If it is decided that the articles have been improperly returned they will be sent back to the unit and the new articles issued returned to the Army Ordnance Department, the cost of carriage unnecessarily incurred being defrayed by the officer commanding the unit concerned.

Articles unserviceable from unfair usage.

59. Should it be considered that any articles returned as unserviceable have become so from unfair usage while in possession of the troops, the chief ordnance officer will also bring the same to the notice of the General Officer Commanding who will determine, by means of investigation of a board of officers, or otherwise, whether the troops are liable.

Surplus equipment.

60. No reduction in any authorised equipment will be made without the sanction of the War Office. If, owing to an authorised reduction, or any other cause, officers who are accountants have on charge surplus stores or equipments not likely to be again required within a short period, the General Officer Commanding will decide whether they shall be retained or returned to store. If a reduction in the establishment of men or horses be authorised, the stores to be disposed of will be the actual complete sets of equipment in use by the men or horses drafted to other corps or others dealt with as supernumerary.

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Return of stores by outgoing unit.

61. Commanding officers will, previous to change of station, obtain authority from General Officers Commanding to return to the Army Ordnance Department such stores of a bulky nature as they can temporarily dispense with, and, on receiving such authority, will apply to the ordnance officer receiving them for a certificate of their quantity and condition. They will then be enabled, on reaching their destination, to draw from the Army Ordnance Department, on this certificate, an equivalent supply if necessary.

Stores when to be taken with outgoing unit.

62. When it is not advisable to return these stores, as for example, should there be no ordnance depôt at the station to which the unit is proceeding whence a fresh supply could be obtained, they will be taken with the corps, and public conveyance will be provided; but if this be not practicable, and expenses are incurred for carriage from one station to another, the charge must be supported by a list of the stores, and a certificate from an officer of the Army Service Corps that army transport could not be provided.

Return of stores used locally.

63. All equipments issued to meet the purely local requirements of a station will be returned to store by outgoing units, unless they are required to be handed over to the incoming unit, when the transfer will be effected through the Army Ordnance Department.

Return of small-arm ammunition by troops on change of station.

64. Except in the case of a mobilisation, the small-arm ammunition in charge of troops, whether service or practice ammunition, will be returned into store previous to their departure from a station, with the exception of a sufficient quantity to provide the guards and escorts with 20 rounds for each man. If no ordnance depôt exists at the station, it will be handed over to an officer of the Army Ordnance Department deputed to receive it, who will at once note thereon the condition in which it was received by him. The service and practice ammunition are to be shown separately on the vouchers. The officer who gives over the ammunition will be furnished with a proper receipt, which will be the authority for the unit to draw a similar quantity at the new station (*see* paragraph 173). The ammunition given into store in boxes with unopened linings will be available for re-issue to other units, and cannot be objected to.

Stores issued on loan to be returned when no longer required.

65. When stores are issued on loan from the Army Ordnance Department (as for instance, for the service of moving ordnance on re-armament), the commanding officer to whom they are lent will be held responsible for returning them as soon as the object for which they have been issued has been accomplished.

Half-yearly inquiry.

66. In order to ensure that stores issued on loan are not lost sight of, and to enable any necessary subsequent disposition of the stores to be arranged, the chief ordnance officer will ascertain at half-yearly intervals, the date of the probable return to store of the articles. When the stores have been supplied specially from Woolwich, this information will be reported to the principal ordnance officer.

Explosive stores and matches.

67. The utmost vigilance is required on the part of officers returning stores, in order to guard against explosive stores being returned into ordinary store depôts, instead of into the magazines, as well as to preclude the possibility of lucifer or other matches, iron nails, &c., being left among stores of any kind.

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Return of empty cases and packages.

68. Commanding officers are responsible that all empty chests, cases, barrels, and cylinders, received with equipment of any kind, are handed over as soon as they can be dispensed with to the Army Ordnance Department; and, if possible, without cost to the public. The packages will be addressed :—The Ordnance Officer————. From the Officer Commanding at————.

Empty ammunition packages to be examined.

69. All empty ammunition or powder barrels, or packages, will be most carefully examined to see that they are free from iron tacks in the head, and grit and dirt on the staves, before being returned into store.

Carrier's note to accompany stores sent by carrier.

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70. When stores are returned by carrier, a carrier's note, Army Form G 980, detailing the number, description, and weight of packages, bundles, and loose articles, and the number of articles contained in each bundle, will be delivered to the carrier. For explosive stores and those conveyed at owner's risk rates by railway in Great Britain, Army Form G 996 will be used in lieu of Army Form G 980 (*see* Allowance Regulations).

Inventory in each package.

70A. When stores are returned into store in packages, an inventory, on Army Form G 1028, of the contents, signed by the packer, and also, if practicable, by the person witnessing the packing, will be placed in each package.

Convoy notes to be given to the officer commanding a convoy.

71. When stores are forwarded by convoy or under escort, convoy notes, Army Book 158, will be delivered to the officer commanding the convoy or escort, or to the conductor, and the following course will be observed :—

Convoy notes to be prepared in triplicate.

(*a*) The officer in command of the escort, or the conductor, will satisfy himself that the stores agree with the account given to him, in order that there may not be any subsequent questions as to the correctness of the convoy notes, three of which will be filled up. These will be signed by the officer despatching the stores, and a receipt will be taken on one of them from the officer commanding the escort or from the conductor. The receipted note will be retained by the consignor, and the other two will be carried by the officer commanding the escort or by the conductor to the consignee. One of these will be receipted, and returned to the officer or conductor, and the other kept by the consignee. The day and hour of departure will be inserted upon the convoy notes by the consignor, who will forward the proper issue voucher for the signature of the consignee. In forwarding ammunition it will always be kept separate from other stores (*see* paragraphs 184 to 197).

Convoy notes, &c., for stores delivered into store.

(*b*) When stores are received from troops, the ordnance officer will demand from the officer in charge of the escort, or from the conductor, the convoy notes, or other receipt vouchers, and having found the articles to be correct, he will return one copy receipted to the officer or conductor, forwarding the usual receipts to the consignor as soon as possible. Should, however, the regular receipt vouchers not be forthcoming, the stores will nevertheless be received; and the ordnance officer will report the omission to the consignor, to whom he will at the same time forward a receipt for the stores actually received.

Deficiency or loss of stores.

(*c*) When the stores do not agree with the convoy notes, the ordnance officer will inquire into the cause of disagreement. If it appears to arise from negligence or fraud, such measures will be taken as may be requisite in order that the offender may not escape

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punishment. If it appears to arise from just and fair causes, the ordnance officer will obtain a certificate of any such deficiency, damage, or loss, before the officer in command of the escort or the conductor can be discharged. Should a court of inquiry be necessary, the chief ordnance officer will apply for one to the General Officer Commanding.

Return of cartridge cases.

72. The cases of all small-arm ball and ·303-in. solid case blank cartridges supplied gratuitously, will be brought on charge by certificate and returned each year to the ordnance stations from which they were issued, to the extent of at least a weight equal to 90 per cent. of the ball, and 50 per cent. of the blank, expended during the year. The cases will be brought on charge by weight and not by number, at 23 lbs. per 1,000 cases to be returned. Any deficiency in these weights will be charged for at 5*s.* 4*d.* per 23 lbs.

Value of to be refunded.

The value of the empty cases of cartridges obtained on payment will be refunded at the above rates to the officer who purchased them on his returning them to store. The number and date of the ordnance voucher on which the cartridges were received should be quoted on the pay-list voucher of the officer charging the value of the empty cases.

Mode of return to store.

The cases will be returned to store in the empty ammunition packages, not oftener than once a quarter, and officers commanding will not return a less weight than that representing 1,000 cases, except in the last quarter of the year, when the outstanding balance, whatever it may be, will be sent in. The cases are expected to be in good condition when returned, care being taken that grit and dirt are removed as far as possible beforehand; and each consignment will be accompanied by a certificate of the commanding officer that he has caused the contents of each package to be carefully sorted, and all live cartridges taken out. In the event of any live cartridges being found in any of the packages, the empty cases in that package will not be credited to the corps concerned, but will be brought on charge by certificate in the Army Ordnance accounts.

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Minimum quantity to be returned to store.

Empty small-arm cartridge cases will be taken on charge by certificate receipt vouchers to the extent, at least, of the percentages above laid down, and will be accounted for as returned to store, or as paid for if not forthcoming in the proper proportions.

IV.—ANNUAL INSPECTIONS, BOARDS OF SURVEY AND COURTS OF INQUIRY.

Joint inspection by O.C.R.A., District Engineer, and C.O.O.

73. The Officer Commanding Royal Artillery, the District Engineer, and the chief ordnance officer, will at least once a year, or whenever necessary, make a joint inspection of works, magazines, stores, workshops, &c., of all their departments, in order that each officer may have an opportunity of calling special attention to his requirements on the spot. When circumstances make it appear advisable, the officer or officers in local command or charge may be delegated to carry out this inspection. Advantage should be taken of this inspection to consider and discuss on the spot the requirements of the defence and the manner in which they should be met.

Boards for condemnation of stores.

74. Condemnations of stores must be supported by proceedings of garrison boards where boards are requisite.

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Full explanation to be given.

75. Articles of equipment which may become unserviceable, owing to accident or otherwise, before the expiration of the period fixed for their duration, are not to be written off charge, nor is the loss to be borne by the public, unless the reason for the article having become unserviceable is fully set forth.

Course to be followed when losses, &c., occur.

76. When stores or equipment of any kind are lost, destroyed, or injured, and it is a matter for consideration on whom the expense of replacing or repairing them should fall, the course laid down in the Queen's Regulations will be followed.

Decision of G.O.C. or War Office to be attached to requisition.

77. The original report will be forwarded to the chief ordnance officer for submission to the General Officer Commanding, and will be accompanied by Army Form G 998, duly filled in, and where stores are required to be replaced a copy of the decision of the General Officer Commanding, or of the War Office, as the case may be, will be attached to the requisition upon the Army Ordnance Department for the replacement of the stores.

Reports of commanding officers, and courts of inquiry.

78. Reports of commanding officers referred to in the preceding paragraph, and proceedings of courts of inquiry, when they refer to arms, must be confined to arms, and must not include reports on other equipment. The number on the barrel, as well as the regimental number of the arm will be recorded therein (*see* paragraph 117).

Directions as to sending damaged arms to C.I.S.A.

79. When a damaged arm or barrel (*see* paragraph 343A) is sent to the chief inspector of small arms for special report, or assessment of damages, a label stating the circumstances and giving the reference number and date of any War Office orders, or proceedings of courts of inquiry, will be attached to the arm or barrel for identification ; and a copy of the decision, if any, of the general officer commanding regarding it, together with a copy of Army Form G 998, will be attached to the vouchers when forwarding the arm or barrel.

An ordnance officer to be a member of the court of inquiry.

80. If there be an officer of the Army Ordnance Department available who is not the chief ordnance officer, he will serve as a member of courts of inquiry, where necessary, under the foregoing instructions. The proceedings of such courts will be transmitted in duplicate by the president, direct to the chief ordnance officer, who will submit them, with his views, to the General Officer Commanding. After the General Officer Commanding has recorded his decision the chief ordnance officer will send one copy to the officer commanding the corps concerned, to serve as his authority to write off the stores or demand new articles to replace them.

Losses incurred by R.A. in moving heavy stores.

81. If the loss or damage has occurred when the Royal Artillery have been employed in moving heavy stores, the officer in charge of the operation should, in giving evidence, produce a statement showing distinctly the materials used, their actual dimensions, the strain calculated to be borne by them, the actual weight to be lifted, the distance through which the stores are to be lifted, vertically or horizontally, and, in the case of sheers, the angle of inclination.

Stores of a technical nature.

82. When the stores forming the subject of inquiry are of a special or technical nature, or peculiar to the Royal Artillery, Royal Engineers, or any particular service, the General Officer Command-

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ing will, when necessary, call for the written opinion of the local head of the department concerned before finally dealing with the matter. Such opinion will form part of the proceedings forwarded to the War Office in cases where this is necessary in accordance with the instructions laid down in the Queen's Regulations dealing with these subjects.

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83. Surveys on the equipments of troops proceeding to or returning from India, will be held in accordance with the instructions in Appendix II.

Surveys on equipments of troops proceeding to or returning from India.

V.—EQUIPMENT ACCOUNTS AND CLAIMS AGAINST CORPS.

84. Every officer receiving any equipment, service ammunition, or money for the purchase of equipment, will keep and render accurate accounts thereof, and until these accounts have been examined and allowed, he will not cease to be responsible. He will obtain receipts on the proper Army Forms for all articles leaving his charge.

Duty of officers to account.

85. Accountants will record in equipment ledgers all transactions connected with ammunition and stores, except as provided for in paragraphs 86 and 219. Detailed instructions for keeping these ledgers are given in Appendix I. Stores for submarine mining and for permanent military telegraph, telephone and signal stations will be accounted for, when in the custody of the Royal Engineers, as laid down in the Regulations for Engineer Services.

Regimental and staff ledgers.

86. Materials for repair, and other consumable articles (except ammunition) drawn upon regulated scale will not be taken on charge in the equipment ledgers; but any quantities remaining unused at the end of the year will be shown as in possession in the requisition for the next year's supply. Packages will be accounted for.

Materials for repairs, &c. Packages.

87. Ammunition, unless issued on payment, will be taken on charge in equipment ledgers. Quantities drawn for consumption will, as expended, be written off charge by quarterly expense vouchers, signed by the commanding officer. On these vouchers will be given full particulars of the numbers of men, &c., and the paragraphs of regulation or authorised scales of expenditure covering the issues.

Ammunition.

88. Articles required to replace stores lost or rendered unserviceable, and chargeable against the troops, will be demanded quarterly in accordance with paragraph 24; the unserviceable articles will be returned to the Army Ordnance Department, and the deficiencies written off charge on Army Form P 1925 at the end of each month. The value of the lost, or unserviceable stores (*see* paragraphs 95 and 96) will be credited to the public in the pay list on Army Form P 1963. The equipment issue voucher for the old stores struck off charge, will give a direct reference to this credit, and the requisition for stores in replacement will quote the equipment issue voucher.

Articles chargeable to troops and replaced.

88A. When lost stores, which have been paid for under paragraph 88, are subsequently found, the commanding officer will return them to the Chief Ordnance Officer with a reference to the account in which their value was credited. The General Officer Commanding, on satisfying himself that the articles returned are actually those for which the troops were charged, and that the amount stated was duly credited, may, if the vouchers by which their value was credited in the pay list, and by which they were

Stores lost, paid for, and subsequently found.

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struck off charge in the equipment ledger, are still in the district, authorise the district paymaster to refund the money. A reference will be given to the voucher of the ordnance accounts on which the stores were brought on charge after being found.

Articles replaced and not charged to troops.

89. When stores on equipment ledger charge are condemned by proper authority as unfit for further service, or are lost or damaged through no fault of the troops, the dates and registration numbers of reports of boards of survey or other authority will be quoted upon the equipment issue voucher by which they are struck off charge. The reports of boards of survey or other authority will in every case be transmitted to the ordnance officer in support of the requisition when new stores are required, and will be attached to the issue voucher of the ordnance account from which they are supplied. In cases where lost stores are not required to be replaced, the proceedings of the court of inquiry will be attached to the expense voucher by which the articles are written off charge in the equipment account.

Transfer of stores from one charge to another. 38407 Equip. 1918

90. No articles of equipment will be transferred from one equipment ledger charge to another except as allowed by regulation, or under authority of the General Officer Commanding, obtained through the chief ordnance officer. Such transfers will be reported to the War Office, and supported in the accounts by vouchers upon which the authority for the transfer should be quoted. When either of the officers concerned desires that an ordnance officer should be present at the transfer, one will be directed to attend, if available, on application. The above does not refer to transfers of equipment from one commanding officer to another on a change of command, which are governed by paragraph 11, or to transfers of submarine mining equipment between the store and vessel ledgers (Army Books 247 and 19).

Custody of arms and accoutrements of army reserve.

91. Officers commanding regimental districts will be held responsible for the care and safe custody of such arms and accoutrements as may be kept in store at regimental depôts for issue to the army reserve. These stores will not under any circumstances be taken into use without previous authority from the War Office; and will be accounted for in separate columns of the equipment ledger under the head of "reserve." (*See* paras. 372–9.)

D.P. arms and arms for aiming tubes.

92. The unserviceable arms issued for drill purposes will be accounted for in the equipment ledgers, in a separate column, headed "rifles (or "carbines), D.P.," and the arms for aiming tubes in a separate column, headed "rifles (or "carbines), for aiming tubes only."

Equipment accounts of detachments.

93. Officers commanding the following detachments will become direct accountants for their equipment. On the formation of a detachment, a new account will be opened, and the equipment taken on charge by voucher from, the unit or units furnishing the men. The General Officer Commanding will report to the War Office the circumstances rendering the opening of a fresh account necessary:—

Cavalry depôts. Detachments left behind.

(*a.*) Depôts of cavalry regiments in the colonies and Egypt.

(*b.*) Detachments left behind in quarters by units proceeding on active service. In such cases the equipment of each detachment will be accounted for in a separate ledger, whether the detachments remain independent, are attached to units, or are formed into

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provisional battalions, except only on the absorption of a detachment into its territorial depôt or other unit, when the equipment will be transferred to the ledger of that depôt or unit, as directed in Appendix I. The marking on the equipment of men left behind will not be altered unless they are permanently transferred.

Detachments serving abroad.

(*c.*) Detachments serving abroad, and separated from their headquarters for lengthened periods, and by considerable distances.

Detachments of R.E.

(*d.*) Detachments of Royal Engineers, serving abroad belonging to companies serving at home, or *vice versâ*, until the detachments rejoin their companies. Detachments of Royal Engineers serving at home, belonging to companies serving at home, will be governed by paragraph 37.

Detachments of miscellaneous corps.

(*e.*) Detachments of the Army Service Corps, Royal Army Medical Corps, and Army Ordnance Corps stationed abroad.

94. (Omitted.)

Charges for loss or damage to personal equipment.

95. A soldier, who by neglect or culpable mismanagement, loses or renders unserviceable any article of his personal equipment, will not be held liable for the full value of the article, but only for the proportionate value for the unexpired period of wear; no charge will, however, be reduced below a quarter of the full value, even if the article charged for has lasted the full period of duration assigned to it, and in the case of any one arm no charge will exceed 40*s.*, unless otherwise determined by sentence of a court martial. Twelve years will be taken as the period of wear for any article for which no period has been laid down; and the unexpired period will be calculated in half-years, any period of less than six months being charged against the soldier as a full half-year. The rates upon which the calculations will be made are those laid down in the priced vocabulary of stores.

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Charges for loss or damage to general equipment.

96. In the case of culpable loss of equipment, other than personal equipment in possession of a soldier, the proportionate value only will be chargeable, if it can be ascertained; if not, the full value will be chargeable. Any evidence as to the proportionate value will be recorded in the proceedings of the court of inquiry or other authority which investigates the loss. Charges for deficient camp equipment will be assessed as directed in paragraph 219A.

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Culpable repairable damage.

97. In the case of culpable repairable damage of equipment, whether personal or otherwise, the actual cost of repair (including both wages and materials or components) will be charged.

In the case of small arms, if the damage consists of slight rust inside the barrel, the arms affected will be thoroughly cleaned by the armourer-serjeant at a charge of 4*d.* each.

No charge will be made if, in the opinion of the commanding officer, the rust was caused under circumstances beyond the control of the soldier responsible for the arm.

Authority for charges on account of equipment.

98. The authority of the chief ordnance officer will be sufficient for any charge in the pay lists on account of equipment. When officers against whom claims are made have no cash account with the War Office, payment will be made by them to the district paymaster.

Losses through desertion.

99. When articles are ascertained to have been lost by desertion they will be struck off charge on Army Form P 1925, supported by a certified copy of the proceedings of the court of inquiry (Army Form B 115), held under Section 72 of the Army Act.

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Articles brought back on a deserter rejoining.

100. If, on rejoining, a deserter is in possession of any of the articles found deficient on his desertion, these articles will be taken on charge in the equipment ledger.

Articles deficient on deserter rejoining.

101. On a deserter rejoining, and being sentenced by court martial, or ordered by the competent military authority dispensing with the trial to be placed under stoppages for the value of any articles found deficient on desertion, such articles will be retaken on charge and struck off again as deficiencies on Army Form P 1925, showing where credit will be found, in accordance with paragraph 102.

Returns of stoppages.

102. At the end of each month a return will be prepared on Army Form P 1963, showing the names of, and the amounts recoverable from, any soldiers liable to make good the cost of replacing or repairing articles of equipment under paragraphs 95 to 101. The stoppage returns will be made out by squadrons, batteries, or companies. In the cavalry and infantry the amount due from each squadron or company will appear in regimental orders for the month in which the stoppages are recoverable from the soldier, and will be credited in the pay list for the month, the returns being annexed as vouchers.

Losses through glandered horses.

103. The order sanctioning the shooting of a glandered horse will be quoted as the authority for striking off charge portions of harness or saddlery destroyed in order to prevent infection.

Articles locally accounted for.

104. The undermentioned articles will not be brought into equipment ledgers, or accounts of artillery works, or positions :—

Supplies to the general staff.

(*a.*) Articles supplied to the general staff for local use, except camp equipment, which will be accounted for to the Army Ordnance Department as laid down in paragraph 219.

Boats, barges, &c.

(*b.*) Boats, barges, launches and their appurtenances, which will be accounted for in the local transport equipment ledger (Army Book 165).

Barrack stores. Disinfectants

(*c.*) Barrack stores not forming part of the fixed equipment of the Royal Artillery or other corps, or issued by the Army Ordnance Department for use in camps. Also disinfectants.

Candles, oil, and wick.

(*d.*) Candles, oil, and wick for magazine lanterns and signalling lamps. (These are obtained from the Army Service Corps.)

105. (Omitted.)

Books, lithographs, &c.

106. Official books, printed records, lithographs, and maps obtained from the Army Ordnance Department, except the hand books included in corps details, will not be brought on charge in the artillery store accounts or equipment ledgers, but accurate lists thereof will be kept.

Certificate as to their correctness to be furnished.

107. Accountants to the War Office will furnish with their periodical accounts a certificate that the list or catalogue alluded to in paragraph 106 has been verified and corrected to date, that deficiencies through loss or otherwise have been reported to the War Office, and that the authority for striking such deficiencies off the list has been noted thereon.

On change of command.

108. On changes of heads of departments, staff officers, or commanding officers, the officer assuming charge will verify the lists and report any deficiencies.

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SECTION III.—ARMS, ACCOUTREMENTS, AND ARM CHESTS.

I.—GENERAL SUPPLY OF ARMS AND ACCOUTREMENTS.

Details of.

109. The arms and accoutrements supplied by the War Department to the regular forces consist of the articles given in the details for the respective services in Part 2.

Establishment kept up.

110. Units will always have, during peace, arms and accoutrements for their full peace establishment.

Transfer prohibited.

111. Arms and accoutrements being regimentally marked may not be transferred from one unit to another, except in time of war.

Supply of extra service arms and accoutrements.

112. *Extra service* arms, water bottles, and other accoutrements will be supplied in excess of regulated establishments to accounting units temporarily augmented. Arms so issued, being specially marked will not be taken abroad if supplied at home, and if supplied at stations abroad they will be returned into store before the corps leaves the station, unless it may be necessary to send them away with armed drafts, in which case, a return of the number of arms sent away and of their marking will be at once made by the commanding officer to the Army Ordnance Department. These arms will be shown in returns and accounts as "extra service" arms, and will be given into store when the strength is reduced to the proper establishment, unless they are likely to be required again within a reasonable period.

D.P. arms for use of recruits.

113. *Drill purpose* arms at the rate of 50 per battalion of infantry will be issued on demand, at home stations, as they become available, to officers commanding, for the use of recruits. They will be supplied in the manner laid down for extra service arms; and on a regiment receiving orders to leave its station, officers commanding will make application to the chief ordnance officer for the return to store of the arms or transfer to the relieving battalion, as may be directed. These arms will not be used for ball firing, and no charges for damages will be made, except for such as are manifestly wilful.

Practice swords.

113A. The practice swords supplied in conformity with the barrack schedules will invariably be used (with the service scabbards) by recruits and young soldiers at drill, mounted or dismounted, instead of their service swords; also by all soldiers at "sword post practice," etc., and at competitions and practices in which swords are liable to strike each other.

Butt-swivels for rifles.

114. When Mark I* rifles are supplied to rifle battalions, and mounted infantry, a butt-swivel will be issued for each arm, to be screwed in by the armourer serjeant. Mark II rifles have swivels screwed in before issue.

Examination of arms on return from service abroad.

115. All the arms in possession of troops returning from service abroad, except from India, will be examined, as soon after arrival as possible, by a viewer specially detailed for that duty by the chief inspector of small arms. An application for the services of a viewer for this purpose will be made by the commanding officer of the corps concerned, through the General Officer Commanding.

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Duties of viewer.

116. The viewer will report specially on the condition of the arms as regards their fitness for service, stating what repairs are necessary, and to what extent such repairs can be carried out regimentally. He will also report whether the damages to the arms have been caused by neglect, or by fair wear and tear, due to exceptional service, or to the effects of climate.

Reports relating to rifles.

117. In all reports relating to rifles, the number of the arm and the name of the factory at which it was manufactured will be stated. The number of the rifle and the name of the factory will be found stamped on the body.

II.—SUPPLY (INCLUDING AMMUNITION) FOR TROOPS ON BOARD SHIP, EXCEPT FOR ACTIVE SERVICE.

Notification of troops about to embark.

118. When the General Officer Commanding a district is apprised by the War Office of the strength of the units or detachments intended to embark for service abroad, otherwise than for India, on board a vessel starting from a port in his command, which may subsequently call for some of these troops at other ports at home, he will notify all particulars to the chief ordnance officer at the first port of embarkation.

C.O.O. to place on board the arms, accoutrements, &c., for drafts.

119. The chief ordnance officer will cause the arms, accoutrements, ammunition, and other stores, in the prescribed proportions, to be placed on board, whether the whole of the troops embark at the original port of embarkation, or portions are subsequently to be taken in at other ports, and whether the troops are stationed in his district, or in any other part of the United Kingdom; and he will report such issues to the War Office.

Ammunition, and magazine.

120. A supply of service ammunition at the rate of 60 rounds for each rifle or carbine, unless otherwise specially ordered, will be put on board the ship by the chief ordnance officer at the first port of embarkation, and a proper magazine will be provided for its security. In the case of units, requisitions will be put forward for this ammunition in the usual manner on the local ordnance officer, who will forward them to the chief ordnance officer at the first port of embarkation. In the case of detachments, the course indicated in paragraph 123 will be observed. Before the ship sails commanding officers will ascertain that the ammunition to accompany the troops has been put on board, and properly secured in the magazine.

Drafts for abroad to be supplied with arms and accoutrements, &c., for exercise during voyage.

121. When unarmed drafts embark to join regiments abroad, stationed elsewhere than in India, or when they are proceeding to India in freight ships, or when transport is provided for troops abroad, except in the case of invalids and time-expired men, the chief ordnance officer at the port of embarkation will issue to the officer commanding, for their exercise during the voyage, arms and accoutrements, in the proportion of 10 per cent. of the strength, together with 60 rounds of service ammunition for each rifle, for use in case of emergency, one pair of handcuffs for every 100 men, and one bugle or drum. The accoutrements will consist of a waist belt, a frog, and an ammunition pouch. The following articles will also be placed on board each transport for recreation purposes:—

Clubs, infantry, No. 2, 4 sets;
Dumb-bells, short, 10 lbs., Mark I, 12 sets;
Boxing gloves, Bryan's Champion, 14 to 16 ozs., 4 pairs.
Bars, horizontal, 1.

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Care of arms on board ship.

The officer commanding the troops on board will be responsible for the care and preservation of the arms issued under this paragraph. A sufficient supply of oil and cleaning materials for the voyage will be placed on board with the arms. The following proportions are sufficient for six months :—

18 pints rifle oil
31 yards flannelette } per 100 arms.
2 pullthroughs

Value of arms to be claimed from India.

122. When arms are thus issued for drafts proceeding to India in freight ships or transports, repayment vouchers will be put forward in order that their value may be claimed from the Government of India.

Supply of arms, &c., on board transports for India.

122A. A supply of arms will be kept throughout the season on board all transports when employed on Indian trooping service. The General Officer commanding the Southern District will arrange for the shipment, and for the return of the arms to the Army Ordnance Department at the end of the season, to be held on charge for India for re-issue.

Intrenching implements and ammunition to be stored on ships conveying troops to India.

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122B. Intrenching implements for one battalion of infantry will be packed in cases and together with 200 rounds of ·303 small arm ammunition per man will be placed on board all ships conveying troops to or from India, for the equipment of units in the event of their being diverted on the voyage and landed elsewhere. These stores will be placed in charge of the master of the ship, and will be returned to store by him if not issued to the troops at the end of the trooping season. He will give a receipt to, and receive a voucher from, the Army Ordnance Officer who ships them and will in the same way obtain a receipt from that officer on giving them into store, or from the officer commanding the battalion if issued on emergency.

Method of accounting.

123. All issues of arms, accoutrements, ammunition, and other stores for drafts under the foregoing orders, will be accounted for as directed in the Queen's Regulations.

III.—SUPPLY FOR ROYAL ARTILLERY AND ROYAL ENGINEER STAFF CLERKS AND MILITARY POLICE, &c.

Demanding and accounting.

124. The arms, accoutrements, and ammunition for Royal Artillery and Royal Engineer staff clerks and for serjeant instructors of gymnasia, at the several stations and districts will be demanded and accounted for by the staff (or other) officer under whom they are serving. Equipment for staff clerks in Royal Engineer offices, military foremen of works, and military telegraphists, will be demanded and accounted for by commanding Royal Engineers, except in the case of the Superintendent of Building Works, Royal Arsenal, Woolwich, who will be a direct accountant for the equipment of the staff under his orders.

On change of station.

125. When a Royal Engineer staff clerk, military foreman of works, military mechanist, or military telegraphist of the rank of quartermaster-serjeant, moves from one station to another, he will take his arms and accoutrements with him, care being taken that receipt and issue vouchers are sent by the accountant to the station to which the warrant or non-commissioned officer

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is proceeding. In the event of the arms and accoutrements being surplus in consequence of a Royal Engineer staff clerk, military foreman of works, or military mechanist becoming non-effective, they will be returned to the nearest ordnance depôt.

In the case of Royal Artillery staff clerks, the arms and accoutrements are held on charge by the officer commanding the company to which they are attached, except in the Scottish, North-Eastern, and Home Districts, where the officer commanding district establishments will be the accountant.

Equipment of military police.

126. The equipment of the military mounted and foot police will be demanded and accounted for by the provost-marshal, Aldershot.

IV.—SUPPLY FOR THE ARMY SERVICE CORPS (AND STAFF CLERKS ATTACHED THERETO), THE MEDICAL STAFF CORPS, THE ARMY ORDNANCE CORPS, AND THE ARMY PAY CORPS (AND STAFF CLERKS ATTACHED THERETO).

Charge of mounted portion and station staff, A.S.C.

127. With the exception of those for warrant officers, the arms and accoutrements of the mounted men of the Army Service Corps, and those of the mounted station staff, will remain on charge of the companies and stations respectively, and will not be transferred with the men. Those of the station staff will be accounted for by the depôt, or by one of the mounted companies at the station.

Warrant officers and unmounted portion of A.S. and of R.A.M.corps on change of station.

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128. The arms and accoutrements of all warrant officers of the Army Service Corps, and of the unmounted portion of the Army Service Corps, and also those of the Royal Army Medical Corps, will, in all changes of station, be taken with the warrant officers, non-commissioned officers and men, and will, except as provided in paragraph 130, be transferred by regular voucher from one accountant to another.

Surplus arm and accoutrements, A.S. corps,

129. All surplus arms and accoutrements of the unmounted portion of the Army Service Corps, caused by men becoming non-effective, will, except as provided in paragraph 134, be transferred to the depôt company at Aldershot for re-issue as required.

staff clerk section, A.S.C. and staff clerks attached.

130. The arms and accoutrements of the staff clerk section, Army Service Corps, and of the staff clerks attached thereto serving at home, will be accounted for by the officer commanding the staff clerk depôt, Army Service Corps, Kensington Barracks, W. They will, in all changes of station, be taken with the warrant officers, non-commissioned officers and men, but transfer vouchers will be unnecessary for changes of station at home. When proceeding from the United Kingdom to a station abroad, and vice-versâ, the regular vouchers will be passed between the officer commanding Army Service Corps at the station abroad and the officer commanding the staff clerk depôt. All surplus arms and accoutrements of these soldiers at home, however caused, will be returned to this latter officer.

Arms and equipment.

131. Warrant officers, non-commissioned officers and men transferred or appointed to the staff clerk section, Army Service Corps, will receive the same arms and equipment as soldiers of the same rank in the supply branch of that corps; arms and equipment in possession will, where necessary, be exchanged for those of proper pattern. In the case of corporals, 2nd corporals and privates, the issue of carbines will, however, be withheld.

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132. The surplus arms and accoutrements of the Royal Army Medical Corps will be transmitted, "in transit," through the Army Ordnance Department, to the depôt of the former corps at Aldershot, where a reasonable supply should always be retained in store for issue to recruits. Surplus arms and accoutrements, M.S. corps.

The articles will be charged by voucher direct to the depôt, and the consignor will be held responsible that they are properly packed, and the arms sufficiently protected by "composition preserving arms" (to be obtained, if necessary, from the Army Ordnance Department), in order to prevent damage by rust in the event of any delay in transit occurring.

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133. The arms and accoutrements that may become surplus in service companies and detachments of the Army Ordnance Corps, will be transferred to the depôt company of the corps at Woolwich. Surplus arms and accoutrements, A.O. Corps.

134. At stations abroad officers commanding detachments will not send home the surplus arms and accoutrements if there is a probability of vacancies being filled up locally in the departmental corps by volunteers from the garrisons, to whom the arms and accoutrements could be issued on the spot. Stations abroad.

135. When surplus articles are transferred, under paragraphs 129 and 133, they will be sent through the chief ordnance officer, and, if possible, free of charge to the public. Surpluses to be sent through A.O.D.

136. The arms and accoutrements of the warrant officers, non-commissioned officers and men of the Army Ordnance Corps, will accompany them on all changes of station, being duly transferred from one accountant to another. Arms, &c., of A.O.C. to accompany the men.

137. The arms and accoutrements of the Army Pay Corps (and staff clerks attached thereto) will be demanded and accounted for by the paymaster under whom the men are serving, and will be dealt with as directed in paragraph 125. Arms, &c., of Army Pay Corps.

V.—SUPPLY OF ARTICLES FOR MUSKETRY INSTRUCTION.

138. Articles for musketry instruction will be supplied in the undermentioned proportions; as at A to regiments of cavalry, and battalions of infantry; and as at B to cavalry depôts of regiments in the colonies, units of Royal Engineers, regimental districts, the Army Service Corps at Aldershot, Devonport, and Woolwich, depôt Royal Army Medical Corps at Aldershot, and depôt Army Ordnance Corps at Woolwich, and will be accounted for as equipment. Articles for musketry instruction.

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	A.		B.	
	For M.M. and M.E. arms.	For M.L.M. and M.L.E arms.	For M.M. and M.E. arms.	For M.L.M. and M.L.E. arms.
Actions, skeleton (with butts)	2	2	1	1
Aim correctors	2	2	1	1
Implements, action, {M.H.	2	...	1	...
Implements, action, {M.L.M. (patt. C.)	...	2	...	2
Tool, removing striker, patt. B	...	2	...	1

These articles will be returned into store upon embarkation for active service. Return to store.

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VI.—SUPPLY OF ARM CHESTS.

Supply and repair of arm chests.

139. Regimental arm chests or cases, with hinges, suitable for the packing of rifles and carbines, are issued by the Army Ordnance Department for use during peace as ordinary equipment, at the rate of one chest or two cases for each company of garrison artillery, unit of Royal Engineers, and company of infantry, and two chests or four cases for each squadron of cavalry. The cost of the repair of the chests or cases will be defrayed in the manner laid down in the Allowance Regulations. These packages will only be supplied to the above-mentioned services, and the chests will be returned to store prior to embarkation to India, and cases drawn as required.

SECTION IV.—REGIMENTAL TRANSPORT.

Regimental transport.

140. One complete set of regimental transport, as laid down in Part 2, will be provided for each barrack at home (except in the Channel Islands) occupied by a regular battalion of infantry, and will be held on equipment ledger charge by the battalion occupying the barrack. Each set of regimental transport will be given a distinctive index number by which it will be referred to in all correspondence. In the event of a battalion changing its station or barrack, the complete set of regimental transport, including shoeing tools, will be transferred to the relieving battalion. In case of delay in the relief of one battalion by another, the General Officer Commanding will arrange for the temporary custody of the regimental transport, and will direct the officer to whom it is handed over to take it on charge in his equipment account. These stores are issued for instruction in transport duties, but will be kept at all times fit for actual service.

On change of quarters.

To be kept efficient.

141. (Now part of 140).

As to repair.

142. The equipment will be kept in repair by the regular artificers of the troops at the station, as the General Officer Commanding may direct, under paragraphs 319 and 320. Necessary materials for the repair of harness and saddlery in use with regimental transport will be supplied on demand, as actually required. When private tradesmen are employed, a certificate to that effect is required on the claim, which may be paid, subject to audit, without special reference to the War Office.

Materials for repair.

Employment of private tradesmen.

SECTION V.—MOBILIZATION EQUIPMENT.

Mobilization equipment at single unit stations.

142A. At certain stations the mobilization equipment will be in charge of the officer commanding, and accounted for at the end of the equipment ledger of the unit, pending mobilization.

The authorised scale of equipment is published from time to time in mobilization store tables (Army Form G 1098).

Responsibility of officers for.

Officers commanding units, who have mobilization equipment in charge, are responsible that it is correct in every respect, and fit for

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service; that the instructions given in Regulations for Army Ordnance Services as to custody and arrangement of mobilization stores, are carried out with regard to it, and that, subject to the following exceptions, and to paragraph 142F, no portion of it is taken into use without the authority of the Secretary of State obtained through the general officer commanding. 40116 6169

In the event of vehicles belonging to mobilization equipment in charge of batteries of Royal Artillery being temporarily and unavoidably required to replace peace equipment vehicles under repair or otherwise not available, or, in the event of small arm ammunition carts belonging to the mobilization equipment of units being necessarily required in the district for use on field days, or at manœuvres and camps of instruction, the temporary issue of these vehicles may be sanctioned by the general officer commanding who is, in both cases, responsible that they are returned to store in a thoroughly serviceable condition when no longer required. Special articles of the technical equipment of Royal Engineer units, the fitness of which for service can only be verified and maintained by occasional use may be used, at the discretion of the officer commanding the unit, to insure that they are kept in a thoroughly serviceable condition and ready for immediate work, but their use is to be restricted to the purposes of the foregoing requirements, and they are to be kept quite separate from the peace equipment; a book is to be kept by the officer commanding the unit, in which is to be recorded a list of the stores tested and used, the character of the tests, the period for which the stores have been used, and the condition after testing or use. Special attention should be paid that the saddlery and harness is kept properly dubbed and in good condition. Use of, during peace.

142B. The mobilization equipment in charge of units will be kept entirely separate from the equipment of the peace establishment; and on a unit quitting the station this equipment will, in the absence of an order to the contrary, be handed over to the officer commanding the relieving unit. 40116 6257 Disposition, care, and custody of mobilization equipment.

142C. Mobilization store tables of the latest editions will be kept with the equipment of units, and officers commanding units, whose mobilization equipment is in charge of the Army Ordnance Department, will always have copies of these tables in possession. Mobilization store tables.

142D. On mobilization being ordered, the store table will be the guide as regards the articles of ordnance equipment which a unit takes with it into the field. It is, therefore, of great importance that not only the mobilization equipment of units, but also such of their peace equipment as is, according to the store table, required for war, should be at all times complete and serviceable. Equipment to be kept serviceable.

142E. When mobilization equipment is in charge of the Army Ordnance Department at or near the station of the unit, the commanding officer will inspect and check the equipment for his unit within one month of arrival at the station, and subsequently once annually, and satisfy himself that it is complete and serviceable. Should any serious omissions or imperfections exist, he will at once report them to the General Officer Commanding the district. Commanding officers to check mobilization equipment in A.O.D. charge.

Commanding officers will arrange the date for these inspections with the chief ordnance officer of the district.

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Date of inspection to be stated.

142F. Officers commanding units having mobilization equipment in charge, and those who are able to inspect their mobilization equipment in Army Ordnance Department charge, will attach a certificate to Army Form B 89 or 90, which is rendered half-yearly, stating the date on which they last inspected the equipment.

Mobilization equipment to be drawn annually for packing inspection, &c.

Once in each year the mobilization equipment in charge of units (except ammunition), and where circumstances admit of it, the mobilization equipment held for units in charge of the Army Ordnance Department, will be drawn by them, and be retained for a period of about one week. During this period each unit will be practised in packing its vehicles, the whole war outfit being completed, as far as is practicable. Empty cases or dummies will be used on these occasions to represent any articles which are not available in the district.

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At the end of the week, the unit will perform a route march with its transport packed as for service, if arrangements can be made for horsing the vehicles, the horses and harness of other units in the command being utilized for this purpose. Harness and saddlery stored as mobilization equipment is not to be used during peace.

Replacing articles on peace charge from mobilization stores.

142G. When new articles are required to replace unserviceable articles in the peace equipment of the unit, requisitions should be forwarded to the army ordnance department in the usual manner, but it should be stated thereon which of the articles demanded can be supplied from the mobilization equipment on charge of the unit. The chief ordnance officer will arrange for these articles being marked with the date of issue before transfer to peace equipment takes place, and no stores should be so transferred until similar articles from ordnance depôts are actually on the spot to replace them

142H. The "turnover" of B.L. 15-pr. and 12-pr. ammunition stored in ammunition park, ammunition column, and battery equipments at home should be carried out on the following lines, to ensure the expenditure of ammunition of the oldest date of manufacture. Under existing arrangements supplies of ammunition are made from Woolwich, on demand, to stations termed distributing depôts in the following districts, viz. : — Aldershot, Curragh, Cork, Eastern, Home, Southern and Thames, from which supplies are drawn to fill up columns and batteries in other districts as laid down in special instructions which have been promulgated. Chief ordnance officers of the districts in which the distributing stations are situated will be held responsible that ammunition of the oldest date of manufacture is issued from the ammunition parks and columns to the batteries or districts which they supply, and that, as far as possible, newer ammunition, to replace such withdrawals, is available in the command before the columns or parks are depleted. In the event of supplies not having been received the issues to batteries or districts should not be delayed. Further instructions will be issued from time to time regarding necessary changes in the details of the system, and in the event of the supply of new ammunition failing to arrive in sufficient time to admit of simultaneous withdrawal from, and replacement in, the stores of any unit, a special report of the deficiencies will be made to the principal ordnance officer.

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Arrangement of mobilization stores in storehouses. 40116 6169

142I. When the Secretary of State sanctions the transfer of mobilization stores from Army Ordnance Department charge to the custody of a unit the officer commanding the unit will be responsible that the stores are arranged in accordance with the regulations (*see* para. 142A), and will, if necessary, apply to the chief ordnance officer for skilled departmental labour for carrying out the service in the first instance.

Handing over mobilization equipment. 38407 Equipt. 1941 57 Gen. No. 9779

When mobilization equipment is handed over to a relieving unit, vouchers will be passed in the usual way, and should any discrepancies exist, full explanation of each will be afforded by the officer commanding the outgoing unit.

Harness and saddlery in possession of units as mobilization equipment will be inspected once in every three years by the Chief Inspector of General Stores, and all vehicles and spare wheels once in every two years by the Chief Inspector, Woolwich. A permanent record will be kept painted on a board to be hung up inside the storehouse, showing the dates upon which the inspections were made.

Preservation and cleaning materials.

142J. The Instructions for the preservation of harness and saddlery, given in Regulations for Army Ordnance Services, will be followed for the harness and saddlery of mobilization equipment.

Cleaning materials, according to the following scale will be allowed for this purpose :—

	Annual proportion for each.		
	10 sets of harness (double).	10 sets of saddlery.	10 sets of pack-saddlery.
Linen, old .. .. .. lbs.	1	½	½
Oil, rape .. .. .. qts.	2	½	½
Dubbing .. .. .. lbs.	2	1	1
Camphor or Naphthaline* .. ozs.	5	2½	4
Tallow† .. .. .. lbs.	½	¼	—

57 Portsmouth 4831

* For pannels, saddle blankets, and numnahs.
† For officers' saddlery; seats and flaps of saddles; buckets, carbine, and lance at the times specified in para. 293, Regulations for Army Ordnance Services.

Sizes of neck collars.

142K. When horse collars are stored with harness in mobilization equipment charge, the sizes of the same should be in the following proportions for the services named :—

Service.	Sizes and proportion per 100 collars.								
	21 in.	21½ in.	22 in.	22½ in.	23 in.	23½ in.	24 in.	24½ in.	25 in.
Royal Engineers	6	20	20	22	20	7	3	1	1
Army Service Corps and regimental transport of cavalry and infantry		20	20	24	15	8	7	3	1

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142L. The proportion of sizes, &c., of various articles of harness and saddlery for use with registered horses on mobilization—with instructions relating thereto—are detailed in Appendix VIIIA.

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142M. Spare articles on peace charge, if liable to be expended during peace are not to be regarded as being available on mobilization.

142N. Inventory forms (Army Form G 1096 series containing printed lists of components, accessories, &c.) will during peace be pasted on one side of inventory boards issued with vehicles allotted to units as war equipment.

Material for cleaning and preservation not to be used until arrival of concentration.
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142O. Material held on mobilization charge for cleaning and preservation of war equipment will not be taken into use until units arrive at their place of concentration, previous to which period their requirements will be met as follows. Units existing in peace will use up the balance of their peace supply. Units that do not exist in peace (or units not having a sufficient balance of their peace supply) will be provided for on the peace scale under the authority of the General Officer commanding.

SECTION VI.—MACHINE GUNS.

Allotment of machine guns.

143. At stations abroad, machine guns will form part of the armament available for the general defence of the fortress or station. Their distribution to corps at the station and storage of their ammunition will be arranged by the General Officer commanding. The corps to which the guns are allotted will account for them, and be responsible for their care and preservation.

At home stations, machine guns will be—

(i.) Issued to fortresses for general or local defence, and will be accounted for by Royal Artillery in the same way as other armaments in their charge.

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The machine guns allocated to armament works should not be left mounted where they would be liable to deterioration from exposure, but should be kept in their cases in store ready for immediate service.

(ii.) Allotted to units forming part of the field army, who will account for them in the regimental equipment ledgers. On relief, they will be handed over by the outgoing to the incoming unit, issue and receipt vouchers being passed in the usual manner.

Barrels.

144. Maxim machine guns, which do not form part of the armament of fortresses, in possession of regiments of cavalry, sections of mounted infantry, and infantry battalions, will be provided with four barrels, viz. :—

(i.) One in use, serviceable, to be returned to store on mobilization,

(ii.) One old, or unserviceable marked "D.P." for drill purposes. or blank firing only, to be returned to store on mobilization.*

(iii.) One new spare, in regimental charge, to be taken into use on mobilization.

(iv.) One new spare, to be held in mobilization store, to accompany the unit as the spare barrel on mobilization.

* These will be supplied as they become available.

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Monthly examination. 54 Gen. No. 9578

145. With a view to ensuring that all machine guns are kept in readiness for immediate service, they will be examined at least once a month (except boxed guns, which should be examined quarterly) by a competent armourer-serjeant or armament-artificer who has been through a course of machine guns at Enfield Lock, and any repairs necessary, which can be done locally, will be carried out. Should there be no armourer-serjeant or qualified armament artificer at the station, the service will be carried out under arrangements to be made by the General Officer commanding the district. An examination will be made after every occasion on which practice is carried out, and before the guns are replaced in their cases.

Dummy cartridges 54 Arty. 7417

145A. To facilitate the examination, &c., each armourer-serjeant and armament-artificer will be supplied with 3 dummy cartridges of each nature of machine gun under his charge.

Defective shooting.

146. When officers commanding units of cavalry, garrison artillery, and infantry, and sections of mounted infantry, in possession of machine guns of ·303-inch calibre, find that the shooting of any gun falls off, and that the barrel appears worn, a diagram of 10 shots will be taken at 100, or if possible, at 500 yards (two shots being fired first, as the first two shots are often erratic); and if the figure of merit exceeds 1·75 feet for 500, or ·4 feet for 100 yards, they will at once have the gun stripped by an armourer-serjeant or qualified armament-artificer, and the doubtful barrel replaced by a new one.

Repair at Enfield.

147. At home stations, when a gun or mounting (cone, parapet, or tripod) requires more repair than can be carried out locally, or a barrel has been withdrawn under paragraph 146, they will be sent for examination, repair, &c., by the most economical route, either direct, or through Principal Ordnance Officer, Woolwich, to the Chief Inspector, Small Arms, Enfield Lock.

The arrangements for despatch will be made by the chief ordnance officer of the district, to whom all applications will be addressed.

Vouchers will be passed to the Principal Ordnance Officer, Woolwich, under all circumstances, notifying when and by what route the guns, mountings, &c., have been sent.

The re-issue of guns, &c., will be conducted on the same principles.

Examination by viewer.

148. If found to be necessary, a viewer can be sent to examine guns at home stations, on application being made to the Chief Inspector, Small Arms, through the chief ordnance officer of the district concerned.

Memorandum of examination.

148A. A memorandum of examination, or history sheet, will accompany each machine gun, when issued for service. It will be kept in a paper pocket in the gun chest; it will be carefully preserved, and will be handed over with the gun to which it relates, whenever the latter is transferred from the charge of one officer to that of another. An immediate record will be made thereon of any accident which may occur to the gun, and the result of each official examination which it may undergo. On every occasion on which the gun is fired, the number of rounds will be inserted.

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Targets to be used.

148B. When practice, either by Royal Artillery, or infantry using armament machine guns, is carried out from works on sea fronts, the artillery floating target will be used, and it will be moored by the Royal Artillery boat's crew in the usual manner. For practice on land the artillery 6-ft. fir target will be used.

Spare parts.

149. Spare parts and tools are issued (in a box) with each machine gun. The parts issued with the gun should be used until actually unserviceable, when the spare articles should be taken into use, and the unserviceable returned to store, demands being at once put forward to replace them.

Materials for cleaning and oiling.

150. Materials for cleaning and oiling machine guns and their arriages will be supplied in the following proportions :—

		For each Nordenfelt 3-barrel, and Gardner 2-barrel gun and carriage per annum. — Peace only.	For Maxim gun and mounting, per annum. — Peace only.	For each machine gun and carriage, three months' supply. — War only.
Flannelette*	in.	Nil.	54	13½
Linen, old	lbs.	3	3	¾
Oil, paraffin, light	pts.	½	½ For guns in use.	¾
Oil, rifle*	„	Nil.	2 For guns in use.	¾
Oil, Rangoon	„	4	6 For guns in use.	1½
Turpentine, spirits of	„	1	1 For guns in use.	⅜
Beeswax	lbs.	¼	¼ For guns in store.	—
Paraffin	„	¼	¼ For guns in store.	—
Chalk, white	ozs.	2	2 For guns in store.	—
Oil, Rangoon	pts.	¾	¾ For guns in store.	—

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The following will be allowed to each store in which machine guns are kept or dealt with :—

Flannel (old blanket is very effective) ... . 1 square yard.
Wick, common‡ .... 8 ozs.
Twisted copper wire .... 1 rod, 42 inches long, of wire 0·1 inch diameter, in a double twist.

Screen artillery manœuvres.
57
Aldt.
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150A. One "screen, artillery, manœuvre" will be supplied on demand to each regiment of cavalry or battalion of infantry. This screen will be accounted for in the equipment ledger of the unit.

* Guns of ·303-inch calibre only.
‡ An Army Service Corps supply.

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SECTION VII.—AMMUNITION.

I.—SERVICE SMALL-ARM AMMUNITION.

Supply.

151. Service small-arm ball ammunition will be supplied in time of peace at the rates laid down for the various services in Part II of the Equipment Regulations, and should always in be possession of the troops, except when returned into store as directed in paragraphs 60 and 64.

38407
Volunteers.
197

On mobilization the quantities will be increased by the addition of those laid down as the regimental reserve for war. The latter quantities will, in the case of Field Army units, be held with their mobilization equipment, and, for other units, will be taken from the reserves held on Army Ordnance Department charge in the district in which the unit mobilizes, issued to it at the place of mobilization, and taken to the place of concentration. If, however, the place of concentration is in the district in which the unit mobilizes, this issue of ammunition may be arranged for at such station as the General Officer commanding may direct.

Storage.

The place of storage in peace, and any detailed arrangements for supply to the troops on mobilization, will be laid down in the local mobilization orders and defence schemes.

All units will be kept informed in peace of these arrangements so far as they themselves are concerned.

Extra supply in cases of emergency.

152. In cases of emergency the ordinary supply of service ammunition can be increased to such additional quantity as the General Officer Commanding may consider necessary.

Custody.

153. All service ammunition that is not in actual use will be kept in the regimental magazines, in charge of the quartermaster.

Return to store of extra supply.

154. Extra issues of ammunition remaining unexpended will be returned to the Army Ordnance Department on the termination of the service that necessitated the supply.

Requisitions.

155. Application for service ammunition will be made on Army Form G 815.

Expense vouchers.

156. The expense voucher by which service ammunition is struck off charge must refer to the circumstances and authority (if any) under which the expenditure took place.

Ammunition longest in hand to be expended first.

157. The cartridges that have been longest in the hands of the troops are to be expended first. Service ammunition issued to men mounting guard, &c., is not to be allowed to remain in the pouches, but is to be used at musketry practice before any unbroken packages are touched. The ammunition from boxes which have been opened will be completely used up before other boxes are opened, and the tin linings are not to be disturbed until the ammunition is actually required for use.

Opened boxes to be completely used up.

II.—SMALL-ARM AMMUNITION FOR PRACTICE AND EXERCISE.

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Proportions of small-arm ammunition for practice and exercises

159. Units may expend annually, in practice and exercise, the following quantities of ammunition for each officer and man exercised during the year through the courses prescribed for recruits and trained soldiers :—

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Corps.	Rounds. For each trained soldier. Ball.	For each trained soldier. Rank and file only. Blank.	For each trained soldier. Rank and file only. Cartridges, aiming tube.	For each recruit (officer or man). Ball.	For each recruit (officer or man). Blank.	For each recruit (officer or man). Cartridges, aiming tube.
Cavalry	150	30	25*	200	20	25*
Artillery { Garrison, including local companies of Royal Artillery ...	20	20	25	20	20	...
Artillery { Horse; field and mountain ...	10	10	...	20	20	...
Engineers armed with { rifle	80	40	25*	100	20	25*
Engineers armed with { carbine	50¶	30	25*	100	20	25*
Infantry	200	40	25*	200	20	25*
,, reservists	28‡	...	...	...	...	...
Army Ordnance Corps	...	...	...	40	20	...
Army Service Corps	30	...	25†	100	20	...
Royal Army Medical Corps	...	...	...	40	20	...
Mounted Infantry	20§	40§	...	...	...	...

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* In cases where the officer commanding desires the exchange, or where practice with aiming-tube cartridges cannot be carried out, ball or blank small-arm ammunition of equal value, according to the rates given in the priced vocabulary of stores, may be issued in lieu. Ten rounds of the allowance may be drawn for each recruit at such depôts as may demand it.

Any Engineer recruit or trained soldier who does not fire his trained soldier's course during the year, may draw 10 rounds for private practice and shooting matches in that year.

† This allowance is to be drawn by men stationed at head quarter stations of companies, and in Egypt and Gibraltar; at other stations blank or ball ammunition of an equivalent value according to the Priced Vocabulary of Stores, may be drawn.

§ In addition to the quantities drawn by men in their own battalions.

¶ The Field Troop are allowed 80 rounds per trained soldier.

‡ Should a reservist make less than 40 points, a further 28 rounds may be drawn for a second practice.

Quantities to be drawn in first year of service.

160. Every soldier in the first year of his service may fire the proportions of ball, blank, and aiming tube ammunition allowed for a recruit, together with those allowed for the trained soldier. If a recruit of infantry or cavalry is put back for further training, the number of rounds already expended by him will not be deducted from the allowance, but will be allowed in addition thereto.

Additional allowance.

161. The following addition will be made to the above-mentioned proportions of ball ammunition:—

For field firing, to be drawn only on the order of the general officer commanding a station or district—

Cavalry, regiment of .... 1,000 rounds

Infantry, battalion of .... 4,000 ,,

and the following to the proportion of blank ammunition:—

For training remounts:—

Royal Horse and Field Artillery—10 rounds per remount, to be drawn by batteries when required.

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Royal Engineers—400 rounds to be drawn by the field depôt.

Army Service Corps—1,780 rounds to be drawn by station staff as follows:—Aldershot, 540 rounds; Devonport, 480 rounds; Woolwich, 480 rounds; Curragh, 140 rounds; Dublin, 140 rounds.

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163. The annual allowance of ammunition for practice and exercise with pistols will be as follows :— Allowance of pistol ammunition.

	Rounds per man.		
	Ball.		Blank.
	1st year.	Subsequent years.	Every year.
Officers, warrant officers, non-commissioned officers and men armed with pistols in time of war :—			
Cavalry (except drivers) and mounted infantry	100	50	20
Royal Artillery	100	25	10*
Royal Engineers	100	25	10*
Infantry (except drivers)..	100	25	..
Drivers, regimental transport (cavalry and infantry)	100	25	10
Military Mounted Police	100	25	..
,, Foot Police	100	25	..
Army Service Corps	100	25	10*
Army Ordnance Corps	100	25	..

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54 Gen. No. 8090

54 Mil. Police 129

* Officers of mounted branches only will draw blank ammunition.

164. Commanding officers are authorised, subject to the approval of the General Officer Commanding, to draw, on repayment, for each officer, to use with his own pistol, 36 rounds of pistol ammunition annually, should the state of the store admit of such issues being made. Under similar circumstances a further quantity may be obtained for the use of non-commissioned officers or men, not exceeding for infantry battalions 72 rounds, for cavalry regiments and batteries of Royal Horse and Field Artillery 36 rounds per pistol on charge. The value of these supplies issued on repayment will be recovered as directed in paragraph 32. Additional supplies of pistol ammunition on repayment.

165. The effective strength of the units on the 1st January at home stations, and 1st April at stations abroad, will form the basis for estimating the quantities required for the annual practice and exercise ; but it should be understood that commanding officers will draw ammunition for the numbers actually exercised during the year. Basis for estimating demands. 54 R.H.G. 428 A.O. 57 1878

166. Ball ammunition may be drawn at the rate of 50 rounds each for such regimental officers as may go through the course of "individual firing," but this ammunition will not be used for any other purpose. Ball ammunition for officers.

167. It is considered that the proportions of ammunition laid down in paragraph 159 will be sufficient for all requirements, including those for the regulated repetition practice by "bad shots" of recruits and trained soldiers ; for testing rifles ; and for funerals. Services embraced by general issues.

168. The General Officer Commanding is authorised to sanction the issue on repayment of ammunition for matches, not exceeding 130 rounds for each competitor per annum ; the issue of pistol ammunition being limited to those who, on service, would be armed with the revolver. The value of the ammunition will be recovered in the manner prescribed by paragraph 32. Ammunition for matches on repayment.

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168A. Units joining the Army Rifle Association may obtain 303 ammunition on repayment at half vocabulary rates, provided that the quantity so purchased by any one unit does not exceed 7 rounds per rifle or carbine on charge.

Aiming-tube cartridges.

169. Aiming tube cartridges, required for gallery or private practice, may be drawn from the Army Ordnance Department on repayment, by quarterly requisitions.

N.C.O. and men not having rifles or carbines.

170. Non-commissioned officers and men to whom rifles or carbines are not issued as part of their equipment, when required to go through a course of musketry practice will do so with the arms of the unit to which they are attached, and will be included by that unit in the annual demand for ammunition.

Requisitions to be made annually.

171. Requisitions for practice and exercise ammunition will be made on Army Form G 815, and should be sent to the chief ordnance officer in sufficient time to admit of the issue being made for the annual musketry practice laid down in the Regulations for Musketry Instruction.

When unit is under orders to move.

172. The requisition will be made, although at the time the unit may be under orders to leave the district, *see* paragraph 173.

Station from which to be drawn.

173. In the event of no issue of ammunition having been made prior to the unit leaving the station, the chief ordnance officer will, on the application of the commanding officer, return the requisition with a certificate thereon that no supply has been made upon it; he will also add a memorandum stating the quantity, if any, of service and other ammunition given into store (*see* paragraph 64). When the requisition has been in part complied with, the ordnance officer will furnish the commanding officer with a balance certificate on Army Form G 802 showing the amount remaining due to the corps.

174. (*See* paragraph 64.)

Ammunition forfeited.

175. Any of the annual supply of ammunition which has not been drawn by the end of the musketry year for which it is allowed, will be forfeited. At home, and in other temperate climates, the last day of the musketry year will be the 31st December; in other climates the 31st March.

175A. (*See* paragraph 2038, Queen's Regulations.)

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III.—MACHINE GUN AMMUNITION.

176. The annual proportions of ammunition for practice and exercises will be as follows :—

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Annual proportion for practice and exercise.

			Cartridges, machine gun.	
			Ball, for practice.	Blank.
For each unit of cavalry, mounted infantry, and infantry having machine guns actually in possession, not forming part of the armament of a station.	Cavalry and mounted infantry	Where the course is carried out four times	Per gun. 1,100	Per gun. 1,000
		Where the course is carried out twice	600	
	Infantry	Where the course is carried out four times	1,700	
		Where the course is carried out twice ...	900	
For Stations. For each gun actually in possession, forming part of the armament (in the hands of Royal Artillery)		0·4 inch gun	340 * †	50 *
Ditto ditto		·303 inch gun	366 §	
Ditto ditto		0·45 inch gun	290 * †	
Ditto ditto (in the hands of infantry)		·303 inch guns	‡	‡

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7209

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* The rounds drawn for the station are to be expended under the orders of the general officer commanding in training the troops at the station whether infantry or artillery.

† One complete box per two guns, to be taken from the ammunition of oldest date in charge as equipment of the guns.

‡ On infantry carriage only, as allowed for infantry units.

§ One complete box per three guns, to be taken from the ammunition of oldest date in charge as equipment of the guns.

177.—Cancelled.

IV.—GUN AMMUNITION FOR PRACTICE AND EXERCISE.

178. The proportion of gun ammunition for practice and exercise of the Royal Artillery, and instructions relating thereto, will be found in Part 2, Artillery Special Instructions and Details.

V.—BLANK AMMUNITION FOR REVIEWS AND FIELD DAYS.

179. The undermentioned quantities of blank ammunition may be supplied annually on the authority of General Officers Commanding, for use at reviews, field days, and manœuvres, to units present on the 1st June in each year at the stations specified below.

When units arrive at a station after the 1st June, the General Officer Commanding at the new station will only sanction the issue of such quantity of ammunition within the annual allowance laid down for that station, as he may deem sufficient for the remainder of the year.

The issues may be made independently of the annual allowance of small-arm ammunition drawn under paragraph 159, and gun ammunition under Artillery Special Instructions and Details, Part 2.

Additional blank ammunition allowed for reviews and field days at special stations.

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	Blank Small Arm Ammunition. Rounds per man.	Blank Gun Ammunition. Rounds per field gun.
Home.		
Aldershot	100	100
Chatham	30	...
Colchester	40	60
Cork	30	...
Curragh	100	125
Devonport and Plymouth	40	60
Dover and Shorncliffe	40	60
Dublin	30	60
Fermoy	30	...
London	20	...
Home District	...	60
Portsmouth	40	50
Strensall	40	60
Windsor	20*	...
Woolwich	20	80
Abroad.		
Barbados and St. Lucia	30	...
Bermuda	30	...
Canada	30	...
Ceylon	30	...
Egypt	30	50
Gibraltar	20	...
Hong Kong	30	...
Jamaica	30	...
Malta	20	...
Mauritius	30	...
South Africa { Cape	40	...
South Africa { Natal	40	80
Straits Settlements	30	...

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* Battalion of Guards only.

The above proportions of small-arm ammunition will be calculated on the number of men at each station on the 1st June in each year.

Blank ammunition for movable armaments.

180. An allowance of blank ammunition, not exceeding 20 rounds per piece annually, will also be allowed for all guns and howitzers in the movable armament, except Q.-F. guns of a district at home or station abroad, for reviews, field days, &c.

Form for requisitions.

181. Commanding officers will make requisitions on Army Form G 804 for the ammunition to be supplied under paragraph 179, and it will be issued as required to each corps.

For inspections, reviews, or field days to be taken from annual allowance.

182. Except as provided for by paragraphs 179 and 180, ammunition expended at inspections, reviews, or field days must be taken from that included in the annual allowance for practice and exercise.

VI.—CONVEYANCE OF AMMUNITION.

Notice prior to forwarding ammunition.

184. Neither gunpowder nor ammunition of any kind will be forwarded by, or to, any unit or ordnance depôt until the officer forwarding the same is satisfied that the consignee is ready to receive it.

Responsibility as to loading and condition of wagons.

185. Whenever ammunition is conveyed in military wagons or carts, the loading will be performed by the troops, who will be held responsible for its correctness, as well as for the condition and suitability of the transport.

Application for military transport.

186. When military transport is required by the Army Ordnance Department, the ordnance officer will apply for it to the officer commanding Army Service Corps, stating the nature and weight

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of the ammunition to be conveyed, and specifying, when transit by rail is necessary, the particular hour by which such ammunition must be delivered at the railway station. The officer commanding Army Service Corps will then notify to the ordnance officer at what hour the wagons will call at the ordnance depôt for such ammunition.

Transport of ammunition from railway.

187. The consignee will arrange in like manner with the officer commanding Army Service Corps at the station for the transport of the ammunition (after its arrival at the railway station) to its destination.

When horses only are applied for.

188. When horses only are required from the troops the application will state the number of wagons to go, the weight of ammunition to be conveyed, and the time the convoy should reach its destination. The officer commanding Army Service Corps will then send such horses as he may consider necessary, informing the ordnance officer when he may expect them at the depôt.

Charge of packages, &c.

189. An officer or subordinate of the Army Ordnance Department will be in attendance at the depôt, at the time appointed to hand over the packages, convoy notes, and any wadmiltilts or other coverings that may be required, to the officer commanding the party, unless a conductor of the Army Ordnance Corps is appointed to accompany the convoy, which will invariably be the case whenever ammunition is forwarded by railway or other public conveyance. When a conductor is employed, he will be responsible for the ammunition, wadmiltilts, or other coverings, and will retain the convoy notes. Convoy notes will be dealt with as laid down in paragraph 71.

Conductors with convoys.

Receipt for covering.

190. A receipt will be given by the officer in command of the party for any coverings supplied to him, and he will return them into store when no longer required.

Escorts, application for by consignor.

191. In the event of the orders existing in the district rendering a military escort necessary, the consignor will apply to the commanding officer for the escort, stating the day and hour when it will be required, and, unless the transport is provided by the troops, the number of wagons or carts to be escorted.

And by consignee.

192. Should the ammunition be forwarded by railway, or water carriage, and the escort not accompany it, the consignee will make arrangements for the attendance of an escort, if required, to meet the ammunition on arrival, and conduct it to its destination.

Smoking prohibited.

193. Officers in command of escorts will prohibit smoking near the wagons, and will see that none of the party have lucifer or other matches in their possession.

Military consignees.

194. When ammunition is consigned to the troops, the officer who is the consignee will give to the conductor a receipt on the duplicate convoy note, and will be furnished by the conductor with the triplicate copy, which he will retain.

Hired transport for conveyance to troops.

195. Should it be necessary to hire wagons for the conveyance of ammunition when consigned to the troops, the arrangements will be made by the Army Service Corps, on the application of the commanding officer.

Iron cylinders.

196. In the conveyance of small quantities of small-arm ammunition by rail in the United Kingdom, to expedite issues to corps,

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and also to obviate the expense of the employment of powder vans, iron cylinders adapted for containing half and quarter barrels will be used. These cylinders will not, however, be required when the cartridges are packed in small-arm ammunition boxes.

To be returned at once by same mode of conveyance.

197. Commanding officers and others will, immediately on receiving these cylinders, empty and return them, with the spanners and bags supplied with them, to the ordnance officer at the station from which they were sent, using the same mode of conveyance as that by which they arrived.

SECTION VIII.—HARNESS, SADDLERY, STABLE NECESSARIES, AND EQUITATION ARTICLES.

To whom supplied.

198. Saddlery will only be supplied at the public expense to officers provided with horses which are the property of the public; to officers belonging to mounted units, Royal Engineers; and to certain officers of Army Service Corps as shown in Part 2.

Horse logs.

198A. Horse logs for use in conjunction with head ropes in billets on the line of march, will be demanded from the Army Ordnance Department, by officers commanding mounted units and returned to store on arrival at their destination.

Packing for Service Abroad.

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198B. When units ordered abroad are directed to take their harness and saddlery with them, it will be packed for shipment in corn or other suitable sacks (a four-bushel corn sack will hold one single set of harness or two sets of saddlery, except carbine buckets, which should be packed by themselves, 20 in a sack). Each sack should be marked in such a manner as will enable its contents to be easily identified on disembarkation, for this purpose three "brushes, sash, tool, No. 2" and three pounds of black paint per hundred sacks may be demanded.

The two sets of saddlery will be packed in the four-bushel corn sack in the following manner:—Detach numnah and stirrup irons. Loosen straps, so that wallets do not project beyond front arch. Fold numnah in four, and place it in hollow of seat between pommel and cantle. Wrap surcingle and strapping round. Lower the saddle front arch downwards into sack. Pack stirrup irons and bridle complete inside saddle together with, in the case of R.A. and A.S. Corps saddlery, traces. Place saddle blanket on top.

The second set will be packed in a similar manner, except that the saddle seat will be on opposite side of sack to first one.

Stable necessaries.

199. Stable necessaries, including nose bags, corn sacks, and corn bags, will be supplied on demand for all mounted services, for horses which are public property, in the proportions laid down in the several corps details, Part 2. For hired horses, when employed on the public service, there may be issued 1 horse brush, 1 curry comb, and 1 sponge for every two horses, and a nose bag for each horse.

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200. The stable necessaries which are supplied annually need not, when unserviceable and replaced by fresh issues, be returned to store. Unserviceable stable necessaries.

201. In the event of stable necessaries becoming unserviceable before the expiration of the period of duration prescribed for them they must be replaced at the expense of the troops. If unserviceable under the time allowed.

202. Saddle pannels are, as a rule, issued stuffed, but should it be advisable at any time to issue empty cases, they will be converted into pannels by the regimental artificers without charge, and the following proportions of materials will be supplied for stuffing each pair:— Pannels may be issued unstuffed.

			lbs.	ozs.
Officers, new pattern	....	.... hair, horse, saddlery	3	8
Universal pattern....	....	.... „ „ „	1	4
Harness new pattern	drivers	... „ „ „	3	0
	luggage	.... „ „ „	2	0
Harness old pattern	drivers	.... „ cow	3	8
	luggage	.... „ „	2	8

203. The following proportions of hair, in addition to the ordinary annual proportions given in the several corps details, Part 2, will be issued with each pair of stuffed pannels, if demanded:— Proportion of hair for stuffed pannels.

With each pair of new pannels for harness, new pattern, and for saddlery, old and new pattern .... } ½ lb. of horse hair.

With each pair of pannels for harness, old pattern .... } ½ lb. of cow hair.

204. One quarter of an ounce of quilting twine will be allowed for each pair of cases. No issues under one ounce will be made; the regimental supply will be made use of when smaller quantities are required. Twine.

205. Equitation articles will be supplied to the mounted services in the proportions shown in the several corps details, Part 2, and will be accounted for in the same manner as other equipment. Equitation articles.

SECTION IX.—HORSESHOES.

For Mounted Services at Home and Abroad excepting India.

206. Shoes and nails in assorted sizes, as detailed below, will be issued by chief ordnance officers on the requisitions of commanding officers. Sizes of shoes and nails to be demanded.

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Proportions of the various sizes of Horseshoes issued for Cavalry and Mounted Infantry Cold Shoeing.

Description.		No. per cent.	No. of nails.	Total of nails per set of 4 shoes.	
Shoes, horse, pairs	No. 2 fore ... ... hind	5	No. 6	30	For Cavalry.
	,, 3 fore ... ... hind	21	,, 6	30	
	,, 4 fore ... ... hind	35	,, 7	30	
	,, 5 fore ... ... hind	28	,, 8	30	
	,, 6 fore ... ... hind	9	,, 8	36	
	,, 7 fore ... ... hind	1	,, 9	36	
	,, 8 fore ... ... hind	1	,, 9	36	
	,, 2 fore ... ... hind	20	,, 6	30	For Mounted Infantry.
	,, 3 fore ... ... hind	70	,, 6	30	
	,, 4 fore ... ... hind	10	,, 7	30	

Proportions of the various sizes of Horseshoes issued for Royal Artillery and Royal Engineers Cold Shoeing.

Description.		No. per cent.	No. of nail.	Total of nails per set of 4 shoes.	
Shoes, horse, pairs	No. 3 fore ... ... hind	5	No. 6	30	For Royal Artillery.
	,, 4 fore ... ... hind	20	,, 7	30	
	,, 5 fore	28	,, 8	30	
	,, 5 hind, without calkins	25	,, *9 or 8 heel holes		
	,, 5 ,, with calkins †	3	,, 10 toe ,,		
	,, 6 fore	29	,, 8	36	
	,, 6 hind, without calkins	25	,, *9 or 8 heel holes		
	,, 6 ,, with calkins †	4	,, 11 toe ,,		

* According to brand of nail used.

† For each pair of hind shoes with calkins, 9 nails are allowed for tee holes and 9 for heel holes.

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Proportions of the various sizes of Horseshoes issued for Royal Artillery and Royal Engineers Cold Shoeing—continued.

Description.			No. per cent.	No. of nail.	Total of nails per set of 4 shoes.	
Shoes, horse, pairs	No. 7	fore	12	No. 9	36	For Royal Artillery.
		hind, without calkins	9			
		,, with calkins †	3	,, 9 heel holes ... ,, 11 toe ,, ...		
	,, 8	fore	6	,, 9	36	
		hind, without calkins	4			
		,, with calkins †	2	,, 9 heel holes ... ,, 11 toe ,, ...		
	,, 5	fore	21	,, 8	30	For Royal Engineers.
		hind, without calkins	18			
		,, with calkins †	3	,, *9 or 8 heel holes ,, 10 toe ,,		
	,, 6	fore	33	,, 8	36	
		hind, without calkins	15			
		,, with calkins †	18	,, *9 or 8 heel holes ,, 11 toe ,,		
	,, 7	fore	31	,, 9	36	
		hind, without calkins	11			
		,, with calkins †	20	,, 9 heel holes ... ,, 11 toe ,, ...		
	,, 8	fore	15	,, 9	36	
		hind, without calkins	6			
		,, with calkins †	9	,, 9 heel holes ... ,, 11 toe ,, ...		

* According to brand of nail used.

† For each pair of hind shoes with calkins, 9 nails are allowed for toe holes and 9 for heel holes.

Officers commanding units of Army Service Corps will demand horseshoes of sizes as required. For A. S. Corps.

207. A spare set of shoes, in addition to those on the horses' feet, with a proper complement of nails ready fitted for immediate use, and stamped with the army and squadron, battery, company, or in the case of Royal Engineers, unit, number, will at all times be in possession of each unit for every public horse. 50 per cent. of these shoes and nails in the case of cavalry, Royal Artillery, Royal Engineers, and Army Service Corps, should be hand made, and the remaining 50 per cent. of shoes and nails machine made. These spare shoes and nails are to be used every quarter, and replaced by new ones. Spare set of shoes.

208. In making requisitions, commanding officers of units of cavalry, Royal Artillery, Royal Engineers, and Army Service Corps will demand shoes for one-half of the number of horses present, but not more at one time than the equivalent of three sets of shoes, with nails, per horse, this number of sets being presumably sufficient for three months. No greater proportion of shoes will be allowed without a certificate from the veterinary officer, countersigned by the commanding officer, explaining the exceptional circumstances which have rendered additional supplies necessary. Quantities to be demanded.

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Old shoes to be utilised.

209. Shoes, for one-half of the number of horses on the establishment, will be made in the forges of the various units, referred to in the preceding paragraph, out of the worn shoes removed from the horses, and any iron that may be required in addition will be supplied by the Army Ordnance Department, on a requisition from the veterinary officer, countersigned by the commanding officer.

Nail-rod when supplied.

210. Nail-rod, for making nails in the following proportions, will be supplied from the Army Ordnance Department on requisition from commanding officers :—

Rod, Nail, $\frac{3}{8}$-inch.

	Per regiment, per month.
For regiments of cavalry at home on the higher establishment	75 lbs.
For regiments of cavalry at home on the lower establishment	57 „
For regiments of cavalry in the colonies	67 „

In batteries of artillery, according to the number of horses as follows :—

104 horses	26 lbs.	per month.
90 „	23 „	„
86 „	22 „	„
58 „	15 „	„
50 „	13 „	„
40 „	10 „	„

In units of Royal Engineers and Army Service Corps, 1 lb. per month for every four horses or fraction of four.

Arrangements as to shoes and nails when changing station.

211. When units march from one station to another, one fore shoe (with nails) will be carried on each horse, and in the case of horses with brittle feet one hind shoe (with nails) in addition. Commanding officers will arrange to send forward as heavy baggage, to such points in the line of march as may be most convenient, any further numbers likely to be required on the march, not exceeding one set per horse for the entire strength, and will return the remainder (including any old shoes in possession) to store, or, if there is no ordnance depôt at the station, hand them over to the incoming unit; in either case obtaining a receipt. The shoes removed from the horses' feet on the march will be returned to store, should opportunity offer, and a receipt likewise obtained for them, unless they can be conveniently carried by the regimental transport. When the route of the unit lies through an Army Ordnance Department station, any shoes required will be drawn there, so as to obviate, as far as possible, the expense of sending shoes forward by rail. On the arrival of the unit at its destination a number of new shoes equivalent to those returned to store, or handed over may be drawn; one new shoe being considered equal to two old ones, and the receipts above referred to being attached to the requisition.

If the unit proceeds by rail from one station to another, one fore shoe (with nails) will be taken, the balance being returned to store or handed over to the incoming unit if there is no ordnance depôt at the station, and others drawn in lieu as directed above.

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Should the station to which a unit is moved have no ordnance depôt, special arrangements for the supply of shoes and nails from the nearest ordnance depôt will have to be made.

212. Officers' horses may be shod, if desired, with store shoes, such shoes and nails to be paid for at the rate of one shilling and tenpence per set. The farriers will render a monthly return of the number of officers' horses thus shod, in order that the necessary credit may be given for the value of the shoes and nails in the pay list. All other shoeing must be done by private arrangement, and with private materials. Shoeing, officers' horses.

213. Forge and shoeing tools (except the barrack fixtures provided by the Royal Engineers) will be drawn from the Army Ordnance Department, and held on equipment ledger charge. Forge tools.

A set of forge tools will consist of :—

Woolwich Section 7.

Chests, tool, empty, No. 7		1
Chisels, farriers		2
Cresses, sets of 2	sets	1
Cutters, anvil, nail, farriers		1
„ „ flat, smiths		1
„ half-round		2
Fullers, farriers		2
Hammers farriers, pointing		1
„ „ turning		1
„ „ sledge		2
Pritchels		4
Stamps		2
Tongs, farriers, fire		1
„ „ turning, large		1
„ „ „ medium		1
„ „ „ small		1
Pokers, smiths		1
Slices, farriers		1
Stakes „		1

The proportion in which these sets of tools will be supplied to each unit is as follows :—

Regiment of cavalry	sets	6
Mounted unit and field company of Royal Engineers	„	1
Battery of mountain artillery	„	1
„ of Royal Horse Artillery	„	1
„ of field artillery	„	1
Company of Army Service Corps	„	1

Eight sets of shoeing tools (two sets per squadron) will be allowed to each cavalry regiment, one set to each mounted unit and field company Royal Engineers, and three sets for each Army Service Corps company, as shown in the various corps details. Shoeing tools.

The shoeing tools and number of sets allowed for a battery of horse, field, or mountain artillery, are given in Sections XI and XIA, Part 2.

Worn out rasps may be retained and used for steeling horseshoes.

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Nails may be obtained separately.

Sizes of nails.

214. For the convenience of farriers, shoes or nails can be obtained separately in sizes; but, unless specifically demanded, nails will be issued with shoes in the proportions shown in the following table. Each box of shoes of one size will be packed with the due proportion of nails appropriate to that size of shoe.

Table of Nails for Horse, Mule, and Pony Shoes.

Description of Shoes.	Nails required for the several Shoes.		Remarks.
	Designation Number.	No. per set of shoes.	
Horse Shoes.			
No. 1 { fore ... ... / hind	3 or 4*	30	
,, 2 { fore ... ... / hind	6		
,, 3 { fore ... ... / hind	6		
,, 4 { fore ... ... / hind	7	30	
,, 5 { fore ... ... / hind { without calkins ... / with ,, † ...	8 / 9 or 8 heel holes* 10 toe ,,		
,, 6 { fore ... ... / hind { without calkins ... / with ,, † ...	8 / 9 or 8 heel holes* 11 toe ,,	36	
,, 7 { fore ... ... / hind { without calkins ... / with ,, † ...	9 / 9 heel holes 11 toe ,,	36	
,, 8 { fore ... ... / hind { without calkins ... / with ,, † ...	9 / 9 heel holes 11 toe ,,		
,, 9 { fore ... ... / hind { without calkins ... / with ,, † ...	12‡ / 10‡ heel holes 13‡ toe holes	40	
,, 10 { fore ... ... / hind { without calkins ... / with ,, † ...	12‡ / 12‡ heel holes 13‡ toe holes	40	
Mule Shoes.			
,, 11 / ,, 12 (also for donkeys)	5, 4 or 3* / 5 or 4*		
,, 13	6 or 5*	30	
,, 14	6 or 5*		
,, 15	7		
,, 16	7 or 8	40	
Pony Shoes.			
,, 21 { fore ... ... / hind	4 or 2*	30	

* According to brand of nail used.

† For each pair of hind shoes with calkins, 9 nails are allowed for toe holes, and 9 for heel holes.

‡ Capewell.

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Infantry Regimental Transport.

Shoes, horse, for infantry Regimental Transport.

215. Horseshoes will be issued on demand, in sizes as required at the rate of one set per month, for each animal borne on the establishment of regimental transport in battalions of infantry,

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together with the proportion of nails specified in the preceding table. All the worn-out shoes will be returned to the Army Ordnance Department. 40116 6090

Military Mounted Police.

216. The military mounted police will draw machine made shoes for the whole of the horses on their establishment, in such quantities as may be required, all worn-out shoes being returned to Army Ordnance Department for disposal. At stations other than Aldershot no forge or shoeing tools will be specially issued, the shoes being placed on the horses' feet by the farrier serjeant of the corps to which the horses are attached. At Aldershot, one set of forge and shoeing tools, as allowed for cavalry, may be drawn for the farrier quartermaster serjeant attached to the staff. Shoes, horse, for military mounted police.

The proportions of the various sizes of horseshoes to be drawn as follows :—

Description.		No. per cent.	No. of nails.	Total of nails per set of 4 shoes.
Shoes, horse, pairs	No. 5 { fore / hind }	50	No. 8	30
	„ 6 { fore / hind }	50	„ 8	36

Mounted Infantry.

216A. Mounted infantry, when employed as such, will draw the full complement of machine-made shoes, viz., 1 set per month per horse. All worn-out shoes will be returned to the Army Ordnance Department. Shoes, horse, for mounted infantry.

Frost Nails.

217. On the 1st September in each year demands will be put forward by officers commanding mounted units at home (Jersey and Guernsey excepted) for frost nails in the following proportions :— Frost nails.

	No. of nails per horse.
Cavalry	40
Royal Artillery (horse, field, and mountain batteries)	40
Royal Engineers	40
Infantry (regimental transport)	60
Army Service Corps	120
Military mounted police	120

The nails remaining on hand on the 31st March following will be returned to store.

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SECTION X.—CAMP EQUIPMENT AND INTRENCHING TOOLS.

Proportions allowed.

218. The proportions of camp equipment and intrenching tools for mounted and dismounted services, on manœuvres and in standing camps, and scale of tents for active service, are contained in Appendix VI. The scale for standing camps will guide issues to troops placed under canvas for the season, or for lengthened periods, or when camps are formed for accommodation of troops at gun or rifle practice. When barracks have to be temporarily vacated, tents and other articles may be drawn by officers commanding, as far as may be necessary, on the scale for standing camps.

For temporary use not taken on ledger charge.

219. Camp equipment and such other stores issued in connection therewith as may be received for temporary use, for manœuvres or other encampment purposes, and for like services, will not be brought on charge in the equipment ledgers, but will be accounted for on Army Form G 973 to the ordnance officer with whom the transactions occur.

Charges for deficiencies.

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219A. Charges for deficient camp equipment will be assessed in accordance with the instructions contained in paragraph 96, except that a reduction from full vocabulary rates will only be made upon the certificate of the ordnance officer who made the issue, that the rates charged are the fair or real proportionate value of the articles deficient.

Supply of tents and barrack stores.

220. Tents only (and bed boards and trestles if necessary) will be supplied by the Army Ordnance Department to supplement barrack accommodation. All other barrack stores will be supplied by the Army Service Corps.

Increase in proportions.

221. When the General Officer Commanding finds it necessary to increase the regulated proportions of stores supplied in camp, he will proceed as directed in paragraph 6.

Reduction of proportions.

222. In all issues for camps of manœuvre or flying columns at home, the General Officer Commanding may, if he thinks fit, reduce the proportions in view of the requirements of the particular service, and the strength of the troops and companies, and so diminish the weights to be transported.

Supply of articles for shelter-trench drill.

223. Whenever a General Officer Commanding directs that shelter-trench drill is to be carried out at a station where there is an ordnance depôt, or which can easily be supplied from one, the following articles will be issued to a battalion :—

2 Pickets, tracing.
1 Tape, tracing.
50 Axes, pick { Heads, 2¾ lbs. / Helves, 29 ins.
50 Shovels, light, cast steel.

Return of drill articles.

224. The articles will be brought to account in the equipment ledger, and returned to the Army Ordnance Department as soon as the drill is completed, or before the battalion leaves the station, if the drill is not then completed.

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Stations not easily supplied from an ordnance depôt.

225. At stations which cannot easily be supplied from an ordnance depôt, the articles mentioned in paragraph 223 will be issued, as directed by the Regulations for Supply, Transport, and Barrack Services.

Deficiencies of camp equipment.

226. Prior to leaving the camp, or at the termination of the service, accounting officers will see that all the articles taken on charge are duly accounted for on Army Form G 973, as either returned into store or deficient. Any deficiencies will be charged against the unit, except in the case of wooden tent pins, of which 5 per cent. may be written off charge as expended by fair wear. In the event of lost stores being subsequently found, the procedure laid down in paragraph 88A will be followed.

Tent pins.

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Method of drawing camp equipment by non-accountants.

227. Officers who are entitled to camp equipment, but who are not accountants and are not attached to a corps, will make their requisitions in duplicate on Army Form G 968. The depôt of supply will be inserted by the ordnance officer, who will retain one copy of the requisition and return the duplicate, which, when signed by the person receiving the stores, will be given as an issue voucher to the ordnance officer at the supply depôt, and that officer will give the officer responsible for the stores a receipt voucher, by which to take them on local charge on Army Form G 973. The officer drawing the stores will be held responsible for their due return to the Army Ordnance Department; and when the stores are returned a receipt voucher on Army Form G 1033 will be sent with them, upon which will be given particulars as to the date of the original supply and by whom made.

Wood bottoms for circular tents.

228. Wood bottoms for circular tents or for marquees used for hospital purposes will be issued when, owing to the dampness of the ground or to other causes, their use is certified to be necessary by the principal medical officer. They will not be supplied for officers', store, office, or workshop tents.

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229. The General Officer Commanding, in authorising the supply of wood bottoms, will proceed as directed in paragraphs 5 and 6.

Picketing gear, etc., for Officers' horses and hired horses.

230. Nosebags, picketing gear, waterproof covers for saddlery, and forage nets, will be supplied in camp free of charge for the regulated number of officers' horses, and for such hired horses as may be employed on the public service. For hired horses there will also be supplied blankets, surcingles and pads when required

Barrack stores in standing camp.

231. Such barrack stores as are necessary for troops when in a standing camp will be specially applied for to the Army Ordnance Department by commanding officers, and will be accounted for as directed in paragraph 219.

Mounted units proceeding by route march

232. Mounted units proceeding by route march in the United Kingdom, require no camp equipment when the men and horses are billeted nightly. In cases where it is necessary to encamp during the march, officers commanding units will make requisition, previous to marching, for the camp equipment they require, being guided generally by the proportions laid down for "manœuvres," but demanding only such articles as are absolutely necessary.

All articles to be thoroughly dried before being given into store.

233. To prevent the injury caused by damp and mildew, all tents, blankets, nosebags, sheepskins, canvas and leather buckets, and other canvas, linen, cotton, woollen, or leather articles which

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have become wet while in use, will be thoroughly dried, and cleaned as far as possible by the troops, before being returned into store.

Camp kettles to be cleaned.

234. Camp kettles and other articles liable to injury from rust, will also be dried and cleaned by the troops before return to store.

Troops under canvas moving.

235. When troops under canvas have to march on immediate orders, the chief ordnance officer will confer with the officer commanding the troops as to the steps which should be taken for the drying and cleaning of the camp equipment, prior to its being returned into store on the breaking up of the camp.

Officer commanding to be informed of irregularities.

236. The chief ordnance officer will bring to the notice of the officer commanding the troops any instance in which the camp equipment is not returned into store in a proper state, due allowance being made for fair wear and tear.

Tents for instruction in pitching and striking.

237. Four used circular tents may be supplied to each regiment of cavalry, battalion of infantry, and each regimental district requiring them, for the purpose of instruction in pitching and striking. Batteries of horse and field artillery, and units of Royal Engineers are allowed two tents; companies of garrison artillery and companies of the Army Service Corps, and Army Ordnance Corps, one tent each. Headquarters of companies of Royal Army Medical Corps will be supplied with one circular tent, and one marquee each. Unserviceable articles will be utilized. These tents will be brought on charge in the equipment ledgers, and will be dealt with as equipment.

Supply of camp kettles, &c., for instruction.

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Gen. No. 7468

238. To carry out the instructions in "field training," referred to in the "Infantry Drill," Part X, ten "kettles, camp, oval, twelve quarts," and four "buckets, canvas," may, when required, be drawn from the Army Ordnance Department by each battalion for the use of the company struck off duty. For cavalry, ten "kettles, camp, oval, twelve quarts"; six "axes, pick, 6½ lbs.," and "six spades N.P." may be issued for each regiment. For the Royal Army Medical Corps each headquarters of companies will be supplied with three "ketties, camp, oval, twelve quarts"; three "axes, pick 6½ lbs."; "one hook, bill"; one bundle of brush wood pickets; one pair cacolets; one pack saddle complete; and "four spades N.P." They will be brought to account in the equipment ledger in the usual manner. On change of station these stores, together with those specified in paragraph 237, will be handed over to the incoming unit.

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For brigade divisions of field artillery 9 camp kettles, 6 picks and 6 shovels will be drawn and accounted for as the officer commanding brigade division may direct. When batteries are stationed singly a proportionate quantity of these stores only will be drawn and accounted for as directed for other units.

Additional articles for instruction.

239. The articles detailed below will be issued in addition to the tents and tools authorised to be supplied for instructional purposes by paragraphs 223, 237 and 238.

Cordage	white, 3-strand, ¾-in., 4 ft. long	pieces	20
	tarred, 1½-in., 20 ft. long	„	20
Spars, wood, 12 ft.			6

These articles will be issued on the terms stated in paragraphs 337 and 238.

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240. The articles detailed below, sufficient for one squadron, will be issued, if required, to each regiment of cavalry for instructional purposes, in addition to the tents allowed by paragraph 237:— Picketing gear for cavalry.

	For a regiment not on the Higher Establishment.	For a regiment on the Higher Establishment.	
Mallets, heel peg	10	13	54
Pads, surcingle	98	136	Gen. No.
Pegs, picketing	206	288	7392
Ropes { head, cotton	98	136	
Ropes { heel	98	136	
Ropes { picketing, 4 ft. 9 ins.	98	136	
Bags, corn, 12 lbs.	98	136	54
Nets, forage .. .. pairs	98	136	Gen. No. 7804

SECTION XI.—ARTIFICERS' AND WORKSHOP TOOLS.

I.—ARTIFICERS' TOOLS.

241. An armourer's box with tools (as detailed in Appendix IV) will be supplied to each unit provided with an armourer serjeant. These articles will be kept up by the armourer serjeant and will be inspected quarterly by a competent person, under the orders of the commanding officer, who will certify in the equipment accounts that this service has been performed. A special examination of the box and tools will be made on the transfer of these articles from one armourer serjeant to another, to ensure their being handed over in a complete and efficient state. Supply of boxes and tools for armourers.

242. Instructions for packing armourers' tools and spare parts of small arms, to be carried out by units on embarkation for distant stations abroad, are printed in the Instructions for Armourers. These directions do not apply to troops proceeding to the Mediterranean, West Indies, British North America, or Bermuda. Instructions for packing armourers' tools, &c.

243. Tools supplied for the use of regimental artificers in repairing the service equipments or armaments, or for the general service of the army, are not to be employed for private purposes. Lists of tools for repair of the service equipments or armaments are given in the several details of Cavalry, Royal Artillery, and Royal Engineers, Part 2, and of tools for general service in Appendix V. Tools for regimental artificers.

244. A set of pioneers' tools and appointments is issued for each service squadron of cavalry, including Household Cavalry, and each battalion of infantry. These tools are described in the Cavalry and Infantry Details, in Part 2. Tools for Pioneers.

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II.—TOOLS FOR MILITARY WORKSHOPS.

Issue to cavalry, infantry, and head-quarters R.A.

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245. To encourage the employment of soldiers in trades, sets of tools will be supplied to regiments of cavalry, battalions of infantry, and principal stations of Royal Artillery at the public expense, under the special sanction of the general officer commanding in each case, and subject to the following conditions:—

Conditions of issue.

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a. That there are qualified tradesmen to use them.

b. That they remain in charge of the unit to which they are issued, and are only returned to store on the authority of the general officer commanding; and on the understanding that the unit so returning them will be charged with the difference between their original cost and their actual value at the time of their receipt into store.

c. That they be kept in order, repaired, replaced when lost or worn out by use, at the cost of the unit.

d. That articles required to replace any of those issued be demanded of the Army Ordnance Department, in order to ensure uniformity of pattern.

Lists of these tools will be found in Appendix V.

Inspection of tools.

246. Commanding officers will direct an inspection of the tools to be made quarterly; and will certify in the ledgers in which they are brought on charge, that this service has been performed.

Accounting for tools issued to R.A.

247. When tools are issued to the Royal Artillery, under paragraph 245, they will be accounted for by the officer commanding the depôt company; or, where no depôt company exists, by the officer commanding a service company to be detailed by the officer commanding Royal Artillery in the district, in accordance with Part 2, Section XII.

Not allowed to Regimental Districts.

248. Tools for trades will not be allowed to regimental districts.

SECTION XII.—SIGNALLING EQUIPMENT AND MEKOMETERS.

I.—SIGNALLING EQUIPMENT.

Stores, requisitions for.

249. Signalling equipment will be demanded on Army Form G 997.

Supplies.

250. Supplies will be confined to regiments of cavalry, battalions of infantry, batteries and companies of artillery, the St. Helena and Sierra Leone detachments of artillery, and units of Royal Engineers. Issues will not be made to regimental districts.

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A complete set of signalling equipment will be held on station charge at Jamaica and at St. Lucia, for use in case of necessity.

251. The stores to be drawn for use at the School of Signalling are detailed in Part 2, Section VIIa.

II.—MEKOMETERS.

252. Mekometers will be supplied as shown in the several corps details. Instructions will be found in Appendix XV. Instructions.

253. (Now part of 252.)

SECTION XIII.—LITHOGRAPHS AND PHOTOGRAPHS.

254. Lithographs of warlike matériel prepared in the manufacturing departments, Royal Arsenal, Woolwich, are issued as under:— Lithographs.

	R.L. and R.G.F. only.	R.C.D., R.L., and R.G.F.	
	To officers commanding R.A., for instructional purposes.	To officers commanding R.A. districts for reference.	To ordnance officers for departmental use.
Home.	Of each.	Of each.	Of each.
Aldershot	1	1	...
Aldershot { North Camp	...	...	...
Aldershot { South Camp	...	...	...
Belfast	...	...	...
Birmingham	...	...	...
Brighton	...	...	...
Chatham	...	...	2
Chester	...	...	1
Colchester	1	1	...
Cork	1	1	1
Curragh	...	...	...
Devonport	1	...	2
Dover	1	1	1
Dublin	1	1	1
Edinburgh	...	1	1
Exeter	...	...	...
Gosport	1	...	...
Gravesend	...	...	...
Guernsey	...	1	...
Harwich	...	...	1
Inverness	...	...	...
Ipswich	1	...	...
Isle of Wight	...	...	...
Jersey	...	1	...
Leith Fort	1	...	...
Liverpool	1	...	...
London	...	...	...

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		R.L. and R.G.F. only.	R.C.D., R.L., and R.G.F.	
		To officers commanding R.A., for instructional purposes.	To officers commanding R.A. districts for reference.	To ordnance officers for departmental use.
	Home—contd.	Of each.	Of each.	Of each.
	Londonderry	...	1	...
	North-Eastern District (York)	...	1	...
	North-Western District (Chester)	...	1	...
	Newbridge	1	...	...
	Newcastle	1	...	...
	Pembroke	1	1	1
	Plymouth	...	...	...
	Portsea	...	...	...
	Portsmouth	1	...	3
7615	School of Instruction, Western District	1	...	...
262	Sheerness	1	1	1
	Sheffield	1	...	...
	Shoeburyness	1	...	...
	Shorncliffe	1	...	...
	Southern District (Portsmouth)	...	1	...
	Sunderland	1	...	...
	Weedon	1	...	1
	Western District (Devonport)	...	1	...
	Western Forts (Isle of Wight)	1	...	...
	Weymouth	1	...	...
24509	Woolwich	1*	1*	...
2336	Yarmouth	1	...	...
	York	...	...	1
	Abroad.			
	Barbados	...	1	...
	Bermuda	1	1	1
	Cape Town	1	1	1
	Ceylon, Colombo	1	1	1
	Cyprus	...	...	...
	Egypt	...	...	...
	Gibraltar	1	1	1
	Halifax, N.S.	1	1	1
	Hong Kong	1	1	1
	Jamaica	...	1	1
	Malta	1	1	1
	Mauritius	...	1	1
	Natal	...	...	...
	Sierra Leone	...	...	...
	St. Helena	...	1	1
	Straits Settlements	1	1	...

* Horse and Field Artillery subjects only.

24509
2336
Devonport
116

Three copies of each R.C.D., R.L., and R.G.F. lithographs are issued to Commandant, School of Military Engineering, Chatham, and one copy of each will be issued to Commanding Royal Engineers when demanded.

71
1
8407

254A. A supply of photographs of selected artillery stores will be made periodically to the Artillery Schools of Instruction and Ordnance College, for instructional purposes in addition to the lithographs.

Other services.

255. The issue of lithographs to officers and departments not specified in the foregoing table will be specially provided for.

Quarterly lists.

256. Quarterly lists of lithographs added to the series are published in the Lists of Changes in War Matériel.

Text books and range tables.

257. Text books, hand books, and range tables will be issued as laid down in Part 2, Artillery Special Instructions and Details.

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SECTION XIV.—MISCELLANEOUS STORES.

Pace sticks, and other articles.

259. Pace sticks, ropes for drill, saluting flags, regimental camp colours, letter bags, metronomes with stands, cleaning materials for offices, and other miscellaneous stores, will be provided out of the Allowance for Miscellaneous Stores, granted by the Allowance Regulations.

54 Cavalry. 279

259A. Machines, or hand clippers, for clipping horses will be provided regimentally, and an allowance of sixpence per horse clipped may be charged once a year in the regimental pay lists. The charge will be supported by a certificate of the commanding officer, showing the number of horses clipped.

260. (Omitted.)

School-master's box.

261. One "box, schoolmaster's," will be issued to every schoolmaster on appointment. This box will be renewable after 12 years, if unserviceable. It will be accounted for by the officer under whom the schoolmaster is serving.

262. (Omitted.)

Stationery for field sketching, &c.

263. The colours, brushes, papers, pencils, cardboard, string, india-rubber, and other articles of stationery required for instruction of cavalry and infantry in field sketching and reconnaissance will be supplied, on receipt of a requisition from units, on Army Form L 1380.

Blackboard and easel for R.A.M.C.

263A. A blackboard and easel, complete, for instruction of non-commissioned officers and men of the Royal Army Medical Corps in various technical subjects, will, except to A and B Companies, be issued to the head-quarters of the several companies, and to the undermentioned detachments at home and abroad :—

Home.	*Abroad.*	
Gosport.	Pietermaritzburg,	South Africa.
Shorncliffe.	Wynberg,	South Africa.
	Cape Town,	South Africa.
	Hong Kong.	
	Gibraltar.	
	Valetta,	Malta.
	Cottonera,	Malta.
	Alexandria,	Egypt
	Cairo,	Egypt

Wicks with lamps and lanterns.

263B. All lamps and lanterns which burn oil, when first issued by Army Ordnance Department will be complete with one foot of wick. The wicks for magazine lanterns and signalling lamps will be issued to the troops by the Army Service Corps in the usual requisitions.

Stores for veterinary purposes.

264. Consumable stores for veterinary purposes will in peace be issued quarterly in the proportions given in the following table on the requisition of the veterinary officer in charge of the unit, countersigned by the commanding officer of each unit concerned. The requisition will be made on Army Form G 1027. It will state the number of horses for which the stores are required, and will show any articles remaining unexpended at the time. These stores will not be accounted for in the equipment ledgers, but will be a final issue from the Army Ordnance Department, and the issue voucher upon which they are charged will be signed by the veterinary officer only. The proportions of blankets, and of pads and surcingles allowed for sick horses will, when required, form part of the equipment of the unit, and be included in the equipment ledger.

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CONSUMABLE STORES FOR VETERINARY PURPOSES.

3 Months Supply.	Per 100 Horses.
Woolwich Section 3.	
Flannel, old (for fomentations) .... lbs.	7½
Woolwich Section 5.	
Numnahs, old (for foot swabs)	2
Sponges, G.S.	2*
Woolwich Section 7.	
Pins, mixed .... oz.	¼
Woolwich Section 11.	
Corks, assorted	6
Woolwich Section 18.	
Canvas, packing, Hessian, 47 inch (for poultices) yds.	2
Tow { coarse .... lbs.	2
Tow { fine .... ,,	1
Twine, packing, small .... oz.	1
Woolwich Section 27.	
Tape, white, ¾-inch .... pieces	1*
Woolwich Section 27.	
Bandages, horse....	6
Linen, unbleached (for bandages) .... yds.	3
Woolwich Section 30.	
Paper { brown, common (for packing) .... quires	¼
Paper { white, fine (for balls) .... ,,	¼
Woolwich Section 31.	
Blankets, grey, worn out { "A" (Remount) Co. A.S.C.	50†
Blankets, grey, worn out { "B" ,, ,, ,,	50†

* To be drawn at these rates every six months only.
† These are the total quantities to be drawn for each company annually.

SOAP.

Soap: How demanded and accounted for.

265. Soap for the personal use of soldiers will be supplied by the Army Ordnance Department, will be demanded by the piece (each bar of soap contains four pieces) and will be accounted for in the regimental equipment ledger.

Supply for kit.

In peace or on mobilization one piece will be supplied to every soldier entitled to a free kit of necessaries under the Clothing Regulations, and will be kept up afterwards at his expense as part of his kit.

War supplies. 40113 6290

For war, a quarterly allowance of 3 pieces per officer, warrant officer, non-commissioned officer and man, as well as 24 spare pieces per 100 of all ranks will be required; of this, one piece will be carried in each kit, and mobile units will have remainder carried in the regimental transport, other units holding their reserve as most convenient.

Supply on board ship.

Supplies required for use on board ship will be provided regimentally, and will be paid for out of the advance of pay.

Payment for.

Soap will be supplied on payment at the published rates: credit will be given in Army Form P 1963 for the total number of pieces issued on payment.

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WAGONS.

265A. When driving the undermentioned wagons, otherwise than by long rein, or turning them when in stores, footboards will be fastened up to prevent the stays being wrenched away. Footboards to be fastened up.

Ammunition and store, R.A., Mark II.

G.S. { Marks III. and IV. / R.E.

Light, spring, surgery.

SECTION XV.—STORES FOR THE INSTRUCTION OF TROOPS IN MILITARY ENGINEERING.

265B. Proportions of sets of tools and stores for instruction in military engineering, as detailed in Appendix XI, are laid down for military districts, as follows :— Proportion for Military Districts.

Stations.	Companies, Royal Engineers.	Battalions of Infantry.
North-Eastern District	...	2
North-Western ,,	...	2
Eastern District	...	2
Western ,,	...	3
Southern ,,	1	4
South-Eastern District	1	3
Home District	...	1
Woolwich District	1	1
Aldershot ,,	3§	5
Scottish ,,	...	1
Jersey	...	1
Guernsey	...	1
Ireland :—		
Belfast District	...	2
Dublin ,,	...	4
Curragh ,,	1	2
Cork ,,	1	3
Barbados	...	1*
Jamaica	1†	1
Halifax	1	1
Bermuda	1	1
Malta	1	4
Gibraltar	2	2
South Africa { Cape / Natal	1	1
	1	2
Mauritius	1	1*
Hong Kong	1	1
Straits Settlement	½	1
St. Lucia	...	1
Ceylon	½	1*
Egypt	1	1¶

57 Natal 5696 54 Engrs. 9440 7700 Stores 384

54 Engrs. 9629 7700 Stores 384

* Special sets are authorised for these stations, see Appendix XI.

† For West India Fortress Company, R.E. (Jamaica, St. Lucia, and Sierra Leone).

§ 3 extra sets of consumable stores will also be allowed for the use of the Royal Engineer companies at this station.

¶ A special set in addition is authorised for use at Alexandria.

265C. The proportion authorised for a battery of horse or field artillery is given in Appendix XII. The issue will be restricted at Aldershot to one battery. The instruction to be conveyed by these stores embraces the construction of bridges, derricks, jetties, rafts, Horse or field artillery and cavalry

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epaulments, gun pits, &c. The proportion given in Appendix XIII, is the supply authorised for a regiment of cavalry.

Demands.

265D. Demands to complete the establishment of these tools and stores will be sent, by the 1st August, by the district commanding Royal Engineer, to the chief ordnance officer, on Army Form G 989.

When it becomes necessary to procure any of the articles locally, the purchase will be effected under the authority of the chief ordnance officer.

Issues on inventory.

265E. Staff officers for instruction, battalions of infantry, and cavalry pioneers, will be supplied with the necessary tools and materials for military engineering, and for the repair of rifle butts and ranges, from the stock in charge of the sub-district commanding Royal Engineer concerned. The articles so supplied will be entered on inventories (Army Form G 989). The necessary instruments will also be supplied, on inventory, by the commanding Royal Engineer, from the stock in his charge to staff officers for instruction, except in the case of the Thames District, where the supply will be met by the commandant, School of Military Engineering. All articles, thus supplied on inventory, will remain in charge of the sub-district commanding Royal Engineer who makes the supply.

Local purchase for staff officers for instruction.

265F. If any materials, or tools, that may be specially and immediately required by staff officers for instruction in carrying on their duties, cannot be supplied by the Army Ordnance Department, they may be purchased locally by the ordnance officer, upon the requisition of the staff officers for instruction, approved by the commanding Royal Engineer. But such special local purchases will not exceed the value of 5*l.* annually for each instructor.

Stores for visual signalling.

265G. Stores, for the purpose of effecting communication by means of visual signalling between different posts in fortresses, and military stations, will be issued upon an establishment drawn up for the station concerned; which establishment must have received War Office approval before issues are made. The stores, when issued, will be in charge of sub-district commanding Royal Engineers concerned, and will be held on inventory by the troops using them.

265H. Application for all necessary transport, required in transferring the tools and materials from one corps to another, will be made by the sub-district commanding Royal Engineer.

SECTION XVI.—MARKING EQUIPMENT.

I.—GENERAL INSTRUCTIONS.

Stamps for marking.

266. Stamps are supplied to the various services requiring them, for marking arms, accoutrements, harness, and saddlery. The adoption of an unauthorised method of marking, or the employment of stamps differing from the standard patterns, will render a unit liable to charges for damage.

Permanent marking limited.

267. With the exception of articles of equipment for man and horse, stores issued for the service of the troops are not to receive any indelible corps marks which would render them unfit for re-issue. Should it be found, on such articles being returned into store, that they have been so defaced, the cost of the articles will be charged against the unit for whose use they were issued.

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40116
5220

267A. All arms, accoutrements, harness, and saddlery, issued to, or taken into use by, troops on mobilization will be marked, with as little delay as possible, with corps marks and progressive numbers, in the manner indicated in the regulations for mobilization. They will not be marked with a date of issue. Marking on mobilization.

268. Articles of equipment supplied from time to time for temporary purposes will not receive corps marks ; with the exception of extra service accoutrements supplied to corps and regimental districts in excess of their regulated strength. Articles temporarily supplied not to be marked.

269. Should additional equipment be issued to detachments (*see* paragraph 93), the marking will be from 1 upwards, but with the prefix 0. The marking would thus read 01, 02, 03. How marked for detachments.

270. As a general rule the service of marking the equipments is performed, free of charge, by the paid regimental artificers, as part of their duty. Money allowances are, however, granted for marking artillery stores connected with armaments, accoutrements and musical instruments in certain cases, and squad bags when first issued. The allowances for marking accoutrements and squad bags cover both labour and the ink or paint required. Equipment marked by artificers.

271. The paint required for marking baggage (*see* Queen's Regulations) may be purchased by commanding officers as required, the charge being supported by a certificate stating the number of packages marked. Marking baggage.

272. (Omitted.)

II.—MARKING ARTILLERY STORES, &c.

(See also Appendix X.)

274. All side arms, handspikes, levers, as well as the handles of all intrenching tools, and other articles required for manual labour, will be left unpainted. When it is necessary to mark these articles, they will be lettered in paint, with the distinguishing marks of the unit to which they respectively belong. Marking and painting handles of tools, &c.

275. One gun, one carriage, one slide, and one pile of shot or shells in each battery, will be marked with the date of painting ; and, in the event of its being necessary to exchange any guns, or other stores connected therewith, in permanent works before the next periodical painting takes place, those received will be marked with the date when last painted, so that the record may be accurately kept. The marking will be of the simplest kind, as, for example, "12/98," signifying that the painting was performed in December, 1898. Marking armaments. Example.

276. Three halfpence per hour will be allowed for this service, except when such marking is performed by means of stencil plates in which case no allowance will be sanctioned. Allowance for marking.

277. The marks and numbers on stores of all natures, and every kind of projectile and fuze, on guns and artillery carriages, as also on all carriages forming the equipment of units, will be noted in all reports relating to the repair, alteration, and condemnation of such stores, in order that the date of manufacture may be readily ascertained. Marks included in reports.

III.—MARKING ARMS.

278. All arms, except those for mobilization (*see* paragraph 267A) are issued to the troops marked with the month and last two Marks before issue.

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figures of the year of issue, thus, 1.00, 3.01, &c. Full instructions as to all other marking will be found in the Regulations for Army Ordnance Services.

Care should be taken that the marks on the arms are not too deeply stamped.

When an armourer serjeant is not available.

279. In cases where the services of an armourer serjeant are not available for marking the arms, commanding officers, in making requisitions on the Army Ordnance Department, will state the particulars of the corps marks and numbers that should be placed upon the articles.

Stamps lent by A.O.D.

280. Stamps for marking swords, and sword-scabbards, will be lent to dismounted services by the Army Ordnance Department.

Issues to replace others.

281. Arms issued to replace others will be given the numbers of the articles replaced.

IV.—MARKING ACCOUTREMENTS.

Nature and position of marks.

282. All accoutrements, except those for mobilization (*see* paragraph 267A), will be marked by the Army Ordnance Department before issue with the month and last two figures of the year of issue, beneath the W.D. and broad arrow of the War Department, thus, 2.00, 3.01, &c. When received by the troops, they will be further marked, before being taken into use, to correspond with the arms. Accoutrements that have been inuse, and arere-issued, will be marked by the Army Ordnance Department before re-issue, black equipment, with the letter W. and the month and year of re-issue; buff equipment, with the month and year of re-issue only in red ink.

Part-worn articles.

283. Part-worn articles returned to store will be marked by the ordnance officer at the station with the month and year of return.

"Extra service" accoutrements.

284. Accoutrements supplied for men in excess of the regulated establishments will be marked by the unit with consecutive numbers and the distinguishing corps marks, valises being marked inside only. Such accoutrements when returned to store will be available for re-issue to any service as part-worn articles, and will be then further marked as directed in paragraph 282.

Stamps for marking.

285. Buff accoutrements will be marked with $\frac{1}{2}$-in inlaid copper stamps in mounted units, and with $\frac{1}{4}$-in. brass or gunmetal stamps on wood ($\frac{3}{16}$-in. for terminal letters for infantry only) in dismounted units, as shown in the several corps details, marking ink being used in each case for the purpose. Black or brown accoutrements will be marked with $\frac{1}{4}$-in. steel stamps, for wood, care being taken that the leather is not cut, but merely indented. Branding the accoutrements is strictly prohibited. (*See* also paragraph 267.)

Branding prohibited.

286. Cancelled.

Enamelled iron water bottles.

287. Enamelled iron water-bottles will be marked with corps marks only, in the centre and on the side of the felt cover which is exposed to view when the bottle is worn. The marking will be done with $\frac{1}{2}$-in. copper inlaid stamps, and "ink, marking, woollens." The buff strip, or chain, for securing the cork will be worn facing the rear. If, when returned to store with corps marks on them, the water-bottles are considered fit for re-issue, the felt covers will be taken off by the Army Ordnance Department, turned, and resewn.

Straps for water-bottles.

288. The straps for water bottles will be marked in the same manner as accoutrements.

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Intrenching implements.

289. The intrenching implements, pickaxe and shovel, will be marked on the wood handle on the side next the man's body as it hangs, with the stamps supplied for marking wood.

54
Gen. No.

Marking valises.

290. The inside of the flap of the valise, will be marked in marking ink, with the same marks as the other accoutrements, by means of the metal stamps supplied. In the case of units wearing the infantry valise, the territorial name or letters will be marked by stencilling, on the outside of the flap in 1-inch letters and numerals. Stamps for cutting these stencil plates are supplied to all districts. In the case of the R. W. Surrey and E. Kent regiments, "Queens" and "Buffs" will be substituted for the territorial name.

7351
A.C.D.
W. Surrey
243
54
Gen. No.
7617

Nature of marks.

291. The battalion number and county name or letters will be placed as nearly as possible across the centre of the valise, thus :—

1. LOTHIAN. 2. BUFFS. 3. WARWICK.

A.C.D.
W. Surrey.
243

Position of marks when initials only are used.

292. But where initial letters only are used, care will be taken to place the battalion number on the left of the central strap which passes over the flap, and the regimental letters on the right, leaving a space between for the strap, thus :—

1. | | R.F. 2. | | R.I. 3. | | S.W.B.

Grenades and bugles.

293. The grenade, and bugle, used respectively with fusilier and light infantry regiments will be placed to the left of the numeral.

294. (Omitted.)

Regimental depôts.

295. The valises of regimental depôts will not be marked on the outer flap. They will be marked on the inside only with marking ink.

R.A., R.E., A.S.C. and Departmental Corps.

296. Valises issued to the Royal Artillery, Royal Engineers, Army Service Corps, and Departmental Corps will be marked on the outside, by means of stencilling, with corps marks, as in the following examples :—

ROYAL ARTILLERY.

(*a.*) *On the outside of the flap.*

R. | | A.

N.B.—To ensure uniformity in appearance, the letters should be placed equidistant between the two loops on the flap.

(*b.*) *On the back of the Valise.*

10	S	.... No. 10 Company, Southern Division.
Dep.	S	.... Depôt Company, Southern Division.
Dep. (1)	S	.... 1 Sub-Depôt Company, Southern Division.
D	S	.... Regimental District Staff.
S	DE	.... Southern District Establishment.
SCO	DE	.... Scottish District Establishment.

Bermuda Company, Royal Artillery	....	B. Co.	R.A.
Ceylon Company, Royal Artillery	....	C. Co.	R.A.
Hong Kong Company, Royal Artillery	....	H. K. Co.	R.A.
Jamaica Company, Royal Artillery	....	J. Co.	R.A.
Mauritius Company, Royal Artillery	....	M. Co.	R.A.
Sierra Leone Company, Royal Artillery	....	S. L. Co.	R.A.
Singapore Company, Royal Artillery	....	S. Co.	R.A.
St. Lucia Company, Royal Artillery	....	St. L. Co.	R.A.
St. Helena Emergent Detachments	....	St. H.	R.A.
Sierra Leone Royal Artillery	....	S. L.	R.A.
School of Gunnery, Royal Artillery	....	S. G.	R.A.

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Where it is necessary to distinguish the particular company the numeral will be added thus :—

1 H. K. Co. or 2 H. K. Co.

ROYAL ENGINEERS.
R | | E

ARMY SERVICE CORPS.
A | | SC

ARMY ORDNANCE CORPS.
A | | OC

ROYAL ARMY MEDICAL CORPS.
RA | | MC

ARMY PAY CORPS.
A | | PC

Paint to be used.

54
Gen. No.
7416

297. The paint to be used for marking the flaps of valises will be of the following colours :—

White.—Dismounted units, except light infantry and rifle battalion.

Green.—Light infantry and rifle battalion.

The composition of the white paint will be as follows :—

Lead, white, ground in oil	4 lbs.
Gold, size	½ gill.
Turpentine	¼ gill.

The marking with this mixture will dry, in an ordinary store, in about eight hours.

Paint, green, Brunswick, ground in oil, 4 lbs., for outside flap of valises in possession of rifle regiments and light infantry battalions.

In marking the valise the brush should be used almost dry, with the paint thick. The flap should be laid flat upon a hard smooth surface, and the paint dabbed in, the brush being held vertically, and on no account worked across the stencil plate. The back of the plate should be kept clear of paint with a turpentine rag, and the face also occasionally wiped with the rag to prevent an accumulation of paint.

Marking whistles.

298. The whistles of infantry will be marked on one side of the acorn with the territorial letters or regimental district number, and on the other side with the number of the whistle, from 1 upwards. The battalion numeral will be dispensed with. The whistles of serjeants of Royal Engineers will be marked in the same manner as their arms. For the purpose of marking, the steel stamps for metal, in possession of armourer serjeants for marking small arms, will be employed.

Stamps for mounted services.

299. Stamps will not be supplied specially to mounted services for marking accoutrements, some of the stamps issued for marking the saddlery and harness being suitable for this purpose also.

Allowances for marking.

300. The undermentioned allowances are granted for marking accoutrements of dismounted units under the conditions stated :—

	s.	*d.*
a. For every 300 intrenching implements, or carriages, frogs, and loops for the same, and caps, cases, frogs, and straps for pioneers' tools	0	9

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	s.	d.	
b. For every 300 of the articles of valise equipment detailed below, in the case of corps receiving a new equipment, viz., waist belts, braces, pouches, straps, carriages drum, frogs sword, and sword bayonet, loops dirk, slings (rifle and carbine), and the insides of the flaps of valises	0	9	
c. For marking the outside of the valise flap in white or green paint with the stencil plate and brush, or for renewing the same when worn off	0	1	
d. For the felt coverings of every eight enamelled iron water-bottles (*see* paragraph 287), inclusive of cost of ink	0	2	
e. For removing old marking of valise flap when necessary (which may be done with a rag wetted with methylated spirits) including cost of spirits	0	0½	
f. Annually for the purchase of marking ink required for use with the metal stamps. (*See* paragraph 285.)			Allowances for marking ink.
Battalion	2	0	
Regimental depôt	1	0	
Depôt of Royal Army Medical Corps			
Dismounted depôt company of Army Service Corps			
Company of Garrison Artillery	0	9	
District Establishment Artillery	0	6	
Unit of Royal Engineers (except mounted units)....			
Company of Army Ordnance Corps			

301. In calculating claims for marking artillery valises, the stencilling of both back and front marks will be considered as two markings. The same consideration will also guide claims for removing old marks when necessary. Rates for artillery valises.

302. These allowances will be charged in the company pay lists, and will be vouched in each case by a certificate showing the number and description of articles marked, the date of their issue, and from what ordnance depôt they have been issued. To be charged in pay list.

V.—MARKING MUSICAL INSTRUMENTS.

303. When the services of an armourer-serjeant are not available, a charge of 3*d.* will be allowed for engraving each bugle, trumpet and drum; and a charge of ½*d.* per letter or figure for flutes and piccolos, which will be engraved, not stamped, on the ivory top of each, in consecutive numbers, from one up to the number in possession, and also with the number of the unit in the manner approved for marking the arms. Allowances for engraving the marks.

304. The silent drum for practice will be marked on the cloth on the under side, with the same stamps as are used for accoutrements. Practice drum stamped.

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VI.—MARKING HARNESS AND SADDLERY.

Marking by Army Ordnance Department.

305. All new articles of harness and saddlery, except those issued for mobilization purposes (*see* paragraph 267A), of $\frac{3}{4}$-in. or more in width, will be marked by the Army Ordnance Department, before issue to the troops, with the month and last two figures of the year of issue, beneath the W.D. and the broad arrow, thus—2·00, 3·01, &c. Articles that have been in use will, when first re-issued for a further period of wear, be again marked by the Army Ordnance Department, with the month and year of issue as above, and with the letter W. showing that they have been in wear before. The date being stamped close under the part-worn mark.

Order of marking.

306. Harness and saddlery when received by the troops for peace use, will be stamped with the distinguishing marks of the corps. The sets will be numbered consecutively, harness and saddlery being given different series of numbers. As articles common to both harness and saddlery will be distinguished only by the position of the set number, care must be taken to place the number correctly.

Artillery and cavalry.

In batteries of artillery the numbering will be by sub-divisions, and in the cavalry by squadrons, as in the specimens given below.

Other units.

In other units there will be, for the entire establishment, one series of numbers for sets of universal saddlery, another for sets of officers' saddlery, and a third for single sets of harness. The numbers being placed on saddlery vertically under the corps marks; and on harness in the same line with, and following, corps, or sub-divisional marks, as in the specimens given below.

Head and neck collar.

In every case the head and neck collars will be marked with the number of the horse instead of that of the set.

Horse Artillery.

I	I Battery.
R.H.A.	Royal Horse Artillery.
1	No. 1 Sub-division.
4	No. 4 set of saddlery.
I	I Battery.
R.H.A.	Royal Horse Artillery.
2. 3.	No. 2 Sub-division. No. 3 single set of harness

Field Artillery.

37. R.A.	37th Field Battery, Royal Artillery.
O. 1	Officers' No. 1 set of saddlery.
37. R.A.	37th Field Battery, Royal Artillery.
3	No. 3 Sub-division.
1	No. 1 set of saddlery.
37. R.A.	37th Field Battery, Royal Artillery.
1. 3.	No. 1 Sub-division. No. 3 single set of harness.

Cavalry.

1. L.G.	1st Life Guards.
A	A Squadron.
2	No. 2 set of saddlery.
5. L.	5th Lancers.
B. 1.	B Squadron. No. 1 single set of harness.

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Royal Engineers.

T.B.—R.E.—4	Telegraph Battalion.	No. 4 set of harness.
T.B.—R.E. / 4	Telegraph Battalion.	No. 4 set of universal saddlery.
T.B.—R.E. / O. 2	Telegraph Battalion.	No. 2 set of officers' saddlery.

Army Service Corps.

10—A.S.C. 4	No. 10 company Army Service Corps.	No 4 single set of harness.
10—A.S.C. / 4	No. 10 company Army Service Corps.	No. 4 set of universal saddlery.
10—A.S.C. / O. 4	No. 10 company Army Service Corps.	No. 4 set of officers' saddlery.

On transfer.

307. If, on a transfer of harness or saddlery, any of the sets transferred be found to bear numbers already on the harness or saddlery on charge, the articles will be renumbered, either with the numbers of sets transferred from charge, or as additions to the establishment.

Regimental transport for peace.

308. The harness and saddlery of each set of regimental transport will be marked before issue, by the Army Ordnance Department according to the principles laid down in paragraph 306, except that a distinguishing "index number," instead of the "corps marks" is to be assigned to the sets, thus:—

$$15\ \text{R.T.}\ 3, \text{ or } \frac{15\ \text{R.T.}}{3}$$

where 15 is the index number, and 3 the set of harness or saddlery.

Stamping leather.

309. The leather work will be marked with $\frac{3}{16}$-in. steel stamps immediately under the army ordnance department mark of month and year of issue.

Stamping iron work.

310. The iron work will be marked with $\frac{1}{8}$-in. steel stamps for metal, the portmouth bit in front of the port, the bridoon bit on top of the mouthpiece, and the stirrup irons on the bottom.

Marking sheepskins, &c.

311. Sheepskins, nosebags, corn-sacks, and corn-bags will be marked with marking ink; saddle-blankets and horse-blankets (veterinary stores) with the "mixture, stamping woollens." Stamps, copper, inlaid, $\frac{1}{2}$-inch, will be used, and the marking will be placed immediately under the War Department store mark.

VII.—MARKING SQUAD BAGS.

Marking exemplified.

312. Each squad bag will be marked on the outside of the upper flap with the initial letter of the company or squadron, the number or appellation of the battalion or regiment, and the month and year in which the squad bag was first issued from the quartermaster's stores.

The following will exemplify the mode of marking:—

B. 4/D. Gs.	D. 2/Gd. Gds.	A. 1/Manch.
1/1898.	1/1898.	1/1898.

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Paint, size of letters, &c.

313. The squad bags will be marked with black paint. The figures and capital letters will be 1½ ins. in length.

Allowance for marking.

314. The sum of fourpence for each squad bag so marked on first issue will be allowed; the amount will be charged in the accounts of the unit, vouched by the usual receipt of the person who executed the work, and certified by the officer commanding.

VIII.—MARKING REGIMENTAL DEPOT EQUIPMENT.

Marking of equipment of regimental depôts.

315. In regimental depôts the arms, accoutrements, except those stored for reservists, musical instruments, and all articles enumerated as forming part of the equipment of a soldier, will be marked with the number of the regimental district to which they belong, followed by the letters R.D. The rifle depôts having no numbers, the equipment remaining on charge at such depôts will receive the territorial letter with the D following. Valises will not be marked on the outside, but on the inside only, in the way laid down in paragraph 290.

SECTION XVII.—REPAIR AND PRESERVATION OF EQUIPMENT.

I.—GENERAL INSTRUCTIONS.

Unauthorised work prohibited.

316. Commanding officers will not allow, or pay for the performance of, any work connected with equipments, or armaments, for which there is no regulated provision, without previous authority obtained, at home from the War Office, and at stations abroad from the General, or other Officer, Commanding.

General repairs executed without charge by regimental artificers.

317. Except when otherwise specified in these regulations, the repair, and painting, of all stores that can be performed by the regimental artificers will be executed by them, under the superintendence of their commanding officers, free of charge. The necessary tools and materials will be supplied by the public, or out of a money allowance granted for their purchase. Tables showing the time, working pay (when specially sanctioned), and materials, allowed for painting miscellaneous carts and wagons are given in Appendix VII.

O.C. to certify as to necessity for repairs.

318. When any of the materials, detailed in Appendix VII, are required, the officer commanding in whose charge the equipment is, will certify to the repairs being necessary, and will annex such certificate to the demand for the materials made by him on the chief ordnance officer. The commanding officer will subsequently satisfy himself that the repairs or painting have been properly executed.

Employment of regimental artificers for other unit.

319. The services of the regimental artificers will, when the duties of their own unit permit, and at the discretion of the General Officer Commanding, be made generally available for performing any work which they may be called upon to execute within the limits of their trades, and during working hours, for other units or detachments unprovided with artificers, or requiring the assistance of additional artificers in exceptional circumstances.

Repairs by the Army Ordnance Department.

320. Repairs which cannot be executed by the regimental artificers will be performed under the direction of the Army Ordnance Department, by the artificers attached to that department, or else in accordance with the directions given in paragraph 321

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320A. When repairs to stores, including armament and artillery material generally but exclusive of small arm cannot be carried out locally, the chief ordnance officer should apply to the principal ordnance officer, Woolwich, stating what repairs are necessary, what procedure is recommended to effect the repairs, whether repairs are urgent, and date when completion is desirable. Repairs exclusive of small arms. 54 Artillery 7388

In the event of undue delay in the return of equipment that has been sent to Woolwich for repair a special report should be made by general officers commanding to the War Office on the subject.

321. Whenever repairs, painting, or other services, involving the expenditure of working pay, or payments to contractors, are required in connection with the equipments of a unit, a requisition will be made by the commanding officer on the chief ordnance officer, stating the nature of the work required, and the cost at which it could be carried out by military tradesmen receiving the authorised rates of working pay, or by local contract. Working pay and payments to contractors.

322. The officer making the requisition will then be informed of the manner in which the service should be performed; and if it be decided to employ military tradesmen, he will, on the completion of the service, certify on the original requisition that the work has been efficiently carried out. The requisition so certified will then be attached to the working pay list as a voucher in support of payment. How authorised. Requisition certified.

323. Materials supplied for the repair and preservation of equipment will not be sold, or exchanged, or used for any equipments but those for which they were demanded; nor will any purchase of materials by commanding officers be sanctioned by General Officers Commanding, except in special cases which should be reported for covering approval. Materials for repair may not be sold, or improperly appropriated.

324. In order to regulate the expenditure of the materials Army Books, 281 and 282 or 283, will be carefully kept by the units concerned, the ledger (Army Book 283) being balanced on the last day of February. The books will be periodically called for by the Chief Inspector of General Stores, Woolwich Dockyard, for examination and for testing the correctness of the proportions allowed. Stock will be taken every six months by an officer deputed by the commanding officer, and compared with the quantity received and the amount expended. The result will be reported to the commanding officer, who, if satisfied, will sign the store and shop books. Any deficiencies will be charged against the individuals responsible, and recovered on Army Form P 1963. Regulation of expenditure and method of accounting for materials for repairs, &c.

The regimental storekeeper will examine Army Book 281 weekly, and satisfy himself that the materials have been expended in work on the public service.

325. Materials supplied for repairing equipment are intended solely for carrying out repairs. They will not, except under special authority, be used for the manufacture of new articles. Materials are not to be used for manufacture.

326. In making requisitions for materials for repairing equipment, commanding officers will certify on the requisition that credit has been given therein for any material remaining on hand, and that the quantities demanded, together with these, do not exceed the authorised proportion. Materials in hand to be credited in requisition.

327. The responsibility for the care and custody of reserve arms and accoutrements at the head quarters of regimental depôts lies with the officer commanding the regimental district (*see* para. 91). Arrange- Responsibility for reserve arms and accou-

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trements at regimental depôts.

ments will be made for the examination of the arms to ensure that each individual one is inspected, and re-oiled on the outside, at least once in every three months. The insides of the barrels should be wiped out, examined, and re-greased with the diluted composition referred to in paragraph 329, once in 18 months; but if any appearance of rust be observed in the muzzles at the quarterly inspections, such barrels should be immediately wiped out and well re-greased, steps being taken to have them at once examined by an armourer. The services of the non-commissioned officers of the permanent staff of Militia battalions may be utilised for the performance of this work. These reserve arms will also be periodically inspected by viewers detailed by the Chief Inspector of Small Arms in the same manner as those in use by the Militia battalions.

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Cleaning and oiling for Army Reserve.

328. An allowance of 1*d.* per annum will be granted for cleaning and oiling each stand of arms, with set of accoutrements complete, kept in store at regimental depôts for issue to the Army Reserve, on the certificate of the officer commanding the regimental district that the service has been properly carried out, and that the arms and accoutrements are in a perfectly serviceable condition.

Materials supplied.

329. The annual allowance of materials for cleaning and oiling arms, and for their preservation, whilst kept in store at regimental district head quarters for issue to Army Reserve, will be as follows:—

Composition, preserving arms	galls.	2	For every 1,000 stand of M.L.M. arms.
Oil, Rangoon	galls.	1½	
Flannelette	yards	5	
Sheeting, old	lbs.	10	

The "composition, preserving arms" should be diluted with rangoon oil to about the consistency of cream (one part of composition to two parts of oil), and applied to the insides of barrels, and to the flannel portion of the armoury plugs. Rangoon oil, alone, will be used for the working parts of the action, and for the exterior of the barrels.

No materials are required for accoutrements.

II.—ARMS, ACCOUTREMENTS, MUSICAL INSTRUMENTS, HARNESS AND SADDLERY.

1. Arms.

Repair of interchangeable arms.

330. All the implements, stores, and chemical ingredients for browning interchangeable arms, as well as the materials for the repair of the same, are supplied at the public expense to units provided with armourer-serjeants. Oil and material for the preservation and cleaning of arms are supplied to all corps in possession of arms. Details of the stores supplied for repairing, browning, and preserving arms are printed in Appendix VIII. Instructions for the care, repair, browning, &c., of arms and bayonet scabbards, and a list of parts and materials to be carefully packed when regiments proceed on service abroad, are printed in the Instructions for Armourers, and will be supplied to all concerned.

Browning arms.

Care and repair of arms, &c.

Stripping and testing arms.

331. The stripping or removal of any part of the arm, except by the armourer-serjeant, or a serjeant instructor who has been through a course of instruction at the Royal Small Arms Factory, Birmingham, is strictly forbidden. Should a commanding officer doubt whether

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arms of any description under his charge are serviceable, he will report the matter stating the reasons for his opinion; and his report will be forwarded to the War Office. If considered advisable, an examination of the arms in question by the Chief Inspector of Small Arms will then be authorized. Testing weapons of any kind in charge of troops is strictly forbidden.

Requisitions for, and issue of, materials.

332. When materials are required for the repair of arms, officers commanding squadrons or companies will certify to the repair being required, and upon such certificate the issue will be made by the quartermaster. The commanding officer will subsequently satisfy himself that the repairs have been executed.

Reports of inspection.

333. Armourer-serjeants will furnish officers commanding companies or detachments (liable to detached duties) with a detailed report of each inspection upon Army Form G 1048.

Annual examination and repair of arms in regimental districts. Commanding officers not relieved of responsibility.

334. The arms of regimental depôts will be examined annually by the localised armourer-serjeant referred to in paragraph 337. The armourer-serjeants will execute such repairs as are necessary, and re-brown such arms as may require it. This arrangement does not relieve commanding officers from responsibility as to the care and repair of the arms, and arrangements will be made by them for such general supervision of the work of the armourer-serjeants as will ensure its being properly carried out.

Intermediate and slight repairs.

335. The non-commissioned officers of the permanent staff of Militia battalions who have been through a course of instruction at the Royal Small-Arms Factory at Birmingham, will be available for the replacement of broken main-springs or strikers, and for the execution of such slight repairs as the arms are likely to require between the annual visits of the armourer serjeants. Should any arms require a more extensive repair than either the non-commissioned officer of the permanent staff or localised armourer serjeant in the district is able to execute, the officer commanding the regimental district will communicate with the chief ordnance officer, who will give instructions for the arms to be sent to the Royal Small-Arms Factory, Birmingham.

Extensive repairs.

Corps with no armourer serjeant

336. The arms of a corps or detachment in the United Kingdom unprovided with an armourer serjeant will be dealt with, as far as practicable, in a similar manner to those of depôt companies.

Stations of circuit armourer serjeants.

337. Circuit armourer-serjeants are posted to the following districts. They will be under the orders of the chief ordnance officer of the district in which they are stationed, excepting those shown as attached to Royal Artillery, and considered on the establishment of the Army Ordnance Department in that district :—

Scottish District.		Home District.	
N.E.	„	Southern	„
N.W.	„	Thames	„
Eastern	„	Guernsey.	
Western	„		

Sub-stations to be visited by Armourer Serjeants.

338. The armourer-serjeants will visit the several sub-stations, respectively, shown below under the districts to which they have been posted, and will also examine annually the arms of the Militia units in their circuits as laid down in the Militia Regulations. These circuits will be subject to alteration from time to time, as the conditions of the service may require :—

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LIST OF ARMOURERS' CIRCUITS.

Scottish District, 3 *Armourers.*

Aberdeen.	Dingwall.	Hamilton.
Alnwick.	Dumfries.	Inverness.
Ayr.	Dunbar.	Montrose.
Berwick.	Edinburgh.	Paisley.
Campbeltown.	Fort George.	Perth.
Cupar (Fife).	Glencorse.	Stirling.

N.E. District, 3 *Armourers.*

Barnard Castle.	Leicester.	Richmond.
Beverley.	Lincoln.	Scarborough.
Derby.	Newark.	Sunderland.
Grantham.	Newcastle-on-Tyne.	York.
Halifax.	Paull-on-Humber.	
Hartlepool.	Pontefract.	

N.W. District, 4 *Armourers.*

Ashton.	Hereford.	Shrewsbury.
Beaumaris.	Lancaster.	Warrington.
Burnley.	Lichfield.	Warwick.
Bury.	Macclesfield.	Worcester.
Carlisle.	Mold.	Wrexham.
Carnarvon.	Preston.	
Chester.	Seaforth.	

Eastern District, 2 *Armourers.*

Bedford.	Harwich.	Northampton.
Bury St. Edmunds.	Hertford.	Norwich.
Ely.	Huntingdon.	Warley.
Great Yarmouth.	Ipswich.	

Western District, 3 *Armourers* (1 *for Royal Artillery*).

Aberystwith.	Devizes.	Pembroke.
Bodmin.	Devonport.	Plymouth.
Brecon.	Exeter.	Swansea.
Bristol.	Falmouth.	Taunton.
Cardiff.	Hubberstone (Fort).	Welshpool.
Carmarthen.	Milford Haven.	
Cirencester.	Monmouth.	

Home District, 2 *Armourers.*

Barnet.	High Wycombe.	Oxford.
Dalston.	Hounslow.	Reading.
Finsbury.	Kingston.	Victoria Park Square.
Guildford.		

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Southern District, 2 *Armourers* (1 *for Royal Artillery*).

Chichester.	Fort Victoria, Isle of Wight.	Portsmouth.
Dorchester.		Sandown.
	Gosport.	Winchester.

Guernsey (*for Channel Islands*), 1 *Armourer.*

Alderney.	Guernsey.	Sark.
Jersey.		

Thames District, 1 *Armourer* (*Royal Artillery and for General Service*).

Canterbury.	Maidstone.	Shoeburyness.
Gravesend.	Sheerness.	

54 Gen. No. 7438

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G.O.C. to determine order of visits.

339. General Officers commanding the Districts in which the armourer-serjeants are permanently posted will determine the order in which they will visit the different stations in their circuit, arranging with regard to stations outside their own districts with other General Officers Commanding concerned. The armourer-serjeants will forward a report showing the result of their inspections, on Army Form C 366, to the chief ordnance officer for the information of the General Officer commanding the District. A copy of this report will be forwarded to the officer commanding the unit concerned.

Services to be applied for.

340. Officers commanding regimental depôts will make application to the chief ordnance officer for the services of the armourer-serjeant whenever the condition of the arms in their charge renders this necessary.

Components for repair.

54 Gen. No. 7612

341. The components required for the repair of arms of regimental districts will be demanded by the officer commanding in accordance with the scale laid down in Appendix VIII (the arms held for reservists will not be considered). For supply to militia units *see* Part 2, Section XVI.

Additional supply.

342. If a further quantity of these or other components be required, the armourer-serjeant will acquaint the officer commanding the unit, explaining the circumstances which render the additional supply necessary; that officer commanding will then demand such components as are requisite from the Army Ordnance Department.

Barrels with bodies for exchange.

343A. When the barrels of arms are injured beyond local repair, barrels with bodies should be demanded, from the Army Ordnance Department, to replace the injured ones. These should be fitted to the arms by regimental armourer-serjeants; the barrels and bodies so replaced should, at home stations, be transmitted to the Royal Small-Arms Factory, Birmingham, under the instructions contained in the Queen's Regulations, and at stations abroad should be returned to the Army Ordnance Department for the same purpose.

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Repairs abroad.

344. The arms in possession of units or detachments abroad will be examined quarterly by an armourer-serjeant. Should the unit or detachment not be provided with an armourer-serjeant, and the arms require repair or re-browning, the General Officer Commanding will, on requisition from the commanding officer to the chief ordnance officer, detail a regimental armourer-serjeant to perform the work, or will order it to be undertaken by the Army Ordnance Department, as may seem to him advisable. The unit providing the armourer-serjeant, or the Army Ordnance Department, as the case may be, will also provide the necessary materials which, in the case of a regimental armourer-serjeant, will be obtained from ordnance depôt.

Liability of corps provided with armourer-serjeant.

345. On the return of arms into store any repairs found necessary, which ought to have been performed by the armourer-serjeant, will be charged against the troops.

Injury to barrels.

346. In cases of injury to barrels, the barrel and body together will be exchanged, but the price of the barrel or cost of repair only will be charged, provided the body is in a serviceable condition. (*See* para. 343A.)

Tampering with arms.

347. All tampering with arms is strictly prohibited. Any damages to arms so caused will be charged against the troops.

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Repairs through tampering.

348. Annual inspections will be made of the arms, and the cost of any repairs found necessary from any cause other than fair wear will be charged against the troops.

Injured barrels to be specially marked.

349. In cases where it is not possible entirely to remove marks in the barrels, caused by cuts or rust, without unduly enlarging the bore, and thereby injuring the shooting power of the arm, a star (*) is to be placed upon the barrels of rifles and carbines in front of the "Knox form," and upon the barrels of pistols on the left-hand side of the "top strap." This mark is only to be made at the factory, and will serve to denote that a trace of a cut or of rust may be expected, and that therefore no charge for such cut or rust will be made against the soldier at any subsequent inspection.

Assistants in browning.

350. To enable the armourer-serjeant to perform the service of browning the arms, he will be granted from the unit the assistance provided for under the Royal Warrant for Pay, &c.

Browning bayonet sockets.

351. When new rifles have been issued to units, and the bayonets in use with the arms returned have been retained, labour, fuel, and browning material will be allowed for the purpose of browning the bayonet sockets in the following proportions:—

Labour	$\frac{1}{3}$	Of the regular authorised amounts for biennial browning.
Fuel	$\frac{1}{6}$	
Browning material	$\frac{1}{8}$	

No charge for browning.

352. No charge will be made against the troops for browning their arms, when the browning is rendered necessary by fair wear. Under ordinary circumstances browning should last for two years.

2. Accoutrements.

Repairs of leather work of accoutrements.

353. The leather work of accoutrements of unmounted units, as shown in paragraph 354, will be repaired by the shoemaker of the unit, or such other person as may be directed by the commanding officer.

Amount allowed.

354. For this service the undermentioned sums will be allowed annually to each commanding officer, for every 10, or less number, of sets of accoutrements in use :—

	s.	*d.*
Company of Infantry	1	2
Unit of Royal Engineers (except mounted units)	1	0
Company of Garrison, and Local Companies, Royal Artillery, and Bermuda Militia Artillery District Establishment, Royal Artillery .... Dismounted Depôt Company of Army Service Corps .... Company or Detachment of Royal Army Medical Corps .... Depôt of Royal Army Medical Corps .... Company of Army Ordnance Corps	0	10

54 Art. 7337

In addition to the above, depôt companies of Royal Artillery will be allowed $\frac{1}{2}d.$ per annum for each belt, not forming part of a set of accoutrements, held on charge for recruits.

355. (Omitted.)

To be claimed annually.

356. The allowance for the repair of accoutrements will be claimed in advance, for the whole financial year, in the month of April, upon Army Form P 1900 and will be charged in the battery or company pay list.

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Thread and tools.

357. Waxed thread and tools will be provided out of this allowance, the articles allowed for repair of accoutrements being supplied by the army ordnance department.

Metal work.

358. The repair of the metal work will be part of the ordinary duty of the armourer-serjeant, or smith, where one is available.

Injurious materials forbidden.

359. The use of oxalic acid or other injurious materials for cleaning black or buff accoutrements, is strictly forbidden. Such parts of black accoutrements (leather valises excepted) as would show brown when in use may be blackened with ordinary blacking, but no other colouring matter is to be used in such cases.

54
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7921

Cleansing and preservation of brown accoutrements.

359A. When brown leather accoutrements require to be cleansed from dust and dirt, they should be washed with yellow bar soap and water, and dried in the shade. Two bars of soap per company will be found ample.

To preserve and polish brown leather accoutrements, a dubbing composed of :—

10 ozs. of clean mutton tallow,
6 ozs. of pure beeswax,
3 drams of camphor,

melted and mixed over a slow fire, should be used. These ingredients will make one pound of the composition, which should be rubbed on to the grain, or smooth side, of the accoutrements with a piece of coarse cloth, using as much friction as possible to enable the fatty substance to penetrate. A portion of the wax will then remain on the surface, and dry rubbing will always bring on a polish. An application of this composition once a month will, in ordinary circumstances, be found sufficient, and an allowance of 2 ozs. per man per month will be found ample ; but whenever it is necessary to clean the accoutrements with soap and water, an application of the composition should always be made before the leather is quite dry. When accoutrements get stained with mildew or perspiration, or otherwise, a slight application of limejuice will be found to remove the stains.

Supply of materials chargeable to the public

360. Spare parts and furniture for accoutrements required to replace others expended or worn out, the cost of which is chargeable to the public, will be supplied in the authorised proportions, as specified in the several corps details.

To troops.

361. Materials required to replace others lost or damaged by neglect, will be charged against the troops.

No ripping to pieces until new parts received.

362. When any article, comprising two or more component parts, has become in part unserviceable in time of peace, such new parts as may be required will be obtained from store and attached by the artificers of units, free of charge. Commanding officers will take care that no article of equipment in use is ripped to pieces until the new parts required from store have been received and can be sewn on without delay.

In cases of large requisitions.

363. In cases, however, where the requisitions for accoutrements to replace unserviceable articles are very large, and where commanding officers consider that it would be inexpedient to allow the equipments of their units to be rendered incomplete, even for a short time, accoutrements of the kind referred to in paragraph 362 may be demanded in a complete state.

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3. Musical Instruments.

Drum heads and bugle strings.

364. Drummers of infantry are chargeable with the cost of new drum heads; and buglers of infantry and trumpeters of cavalry and Royal Horse Artillery with the cost of renewing the strings of their bugles and trumpets, when these strings become unserviceable within the period assigned by regulation for their duration.

Flutes and piccolos.

365. Instructions for the care and preservation of flutes and piccolos are printed in Appendix III.

4. Harness and Saddlery.

Materials for repairs.

366. The authorised proportions of materials, as detailed in the several corps details, Part 2, which are supplied for repair of harness and saddlery, are based upon the average quantities required for the repair of articles which have been some years in use. With new equipments the same amount of materials would not be required; and commanding officers in making requisitions, will demand only what is actually requisite. Needles, for the repair of harness and saddlery, may be drawn annually, at the rate of one sewing needle to five sets of saddlery or single harness, and one harness needle to four sets of saddlery or single harness.

Repair of saddle blankets.

366A. Repairs to saddle blankets carried out by regimental saddlers and collarmakers should be done with "worsted grey" and with a herring-bone stitch, about five to the inch. The edges should be drawn together and not overlapped.

54 Gen. No. 7361

The stitching in all cases should be so executed that the rent or patch when repaired may lie flat.

Torn blankets can generally be repaired without patching; but when material is used, it should, as far as possible, match the blanket.

Disposal of cuttings.

367. All cuttings from the undermentioned materials supplied to the mounted services for repairing harness and saddlery, as well as the unserviceable parts and material named, will be returned into store, as convenient opportunity offers:—

Cuttings from { canvas. / cloth. / leather. / numnahs. / serge. / sheepskins. } → { Flaps, saddle, pairs. / Hair, old { doe. / horse. } / Junk, old. / Seats, saddle. }

Metal-work, { brass bosses, { bits. / cruppers and breastplates. } / copper rivets, saddle universal. / iron (from saddles generally). }

Preservation.

368. Detailed instructions for the care and preservation of the leather of harness and saddlery are printed in Appendix IX.

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SECTION XVIII.--DURATION OF EQUIPMENT.

I.—GENERAL INSTRUCTIONS.

Object of assigning periods of duration.

371. Periods of duration have been assigned to the articles enumerated in the following tables, with the object of informing commanding officers and ordnance officers of the length of time equipment should remain serviceable under ordinary circumstances of continuous use. Should it appear that articles are becoming unserviceable before they have been in use the prescribed periods, inquiry should be made into the cause thereof; since, in the absence of sufficient reason to explain the circumstance, the troops become liable to be charged in accordance with paragraphs 95 and 96 of these Regulations. The periods of duration are not intended in any way to govern the times for exchanging the stores, which must continue to be used until actually unserviceable.

Duration on active service and at stations abroad.

372. On active service and at stations abroad the periods of duration are liable to vary according to the nature of the service and the climate, but the prescribed periods will be kept in view, and adhered to as far as practicable.

ARMS.

TABLE I.	Duration, in years.	Remarks.
Rifles	12	
Bayonets { sword	12	
Bayonets { triangular	12	
Scabbards { leather { bayonet, triangular	6	
Scabbards { leather { sword	8	
Scabbards { leather { sword-bayonet ...	8	
Scabbards { steel, sword, staff-serjts'. ..	12	
Scabbards { ,, cavalry	10	
Bottles, oil, M.L.M.	8	
Flags, lance	2	
Lances	12	
Pistols, Webley	12	
Protectors, front sight	8	
Pull-throughs, M.L.M. rifle { weights ...	8	
Pull-throughs, M.L.M. rifle { cord ...	½	
Reflectors, M.L.M. rifle	8	
Swords { cavalry	12	
Swords { staff-serjeants'	12	
Swords { drummers' and band	12	
Swords { pioneers'	12	
Implements, action	12	
Actions, skeleton, M.L.M.	12	
Tools, removing striker, M.L.M.	12	
Gauges, armourers', action...	20	
Tubes, aiming { Martini-Henry	10	
Tubes, aiming { M.L.M.	5	

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ACCOUTREMENTS.

TABLE 2.	Duration, in years.	Remarks.
Aprons, leg	10	
Bags, ammunition	4	
Belts — pouch — staff serjeants'	7	Household Cavalry.
	12	Cavalry of the line.
— pouch — other ranks	8	Other corps receiving them.
	7	Household Cavalry.
	12	Cavalry of the line.
— waist, buff, cavalry, line ... staff serjeants'	9	
— waist, buff, cavalry, line ... other ranks ...	9	
— waist, buff, cavalry, household, all ranks	7	
— waist, valise equipment ... ... staff serjeants'	8	Rifles.
	12	Other corps receiving them.
— waist, valise equipment ... ... general service	9	Rifles.
	12	Other corps receiving them.
— waist, under officers', Woolwich ...	7	
Billets for sword carriages	6	
Billets for sabretache carriages ...	6	Hussars.
Bottles, water	...	No definite period can be fixed.
Braces, valise equipment	9	Rifles.
	12	Other corps.
Carriages — waist belt	6	Four years only for Lancers.
Carriages — water bottle, Italian buff	8	
Carriages — water bottle, Italian black	6	
Carriages — sabretache	6	Hussars.
54 **Cases**, brown, pistol	9	
Arty. **Chapes**	12	
7832 **Drums**, side, heads	1	
Frogs	8	Rifles.
	12	Other corps.
,, buff, hand-axe...	12	
Handcuffs, common ... ... pairs	12	
Knots, sword, leather	4	Rifles.
	6	Other corps.
	8	Chief warders.
Lanyards, pistol	3	
Pouches — ammunition	7	Household Cavalry.
	9	Cavalry of the line.
	9	Rifles.
	6	Horse and Field Artillery.
	10	Other corps.
Pouches — warders'	9	
Pouches — writing materials	7	
Sabretaches	7	Hussars.
Slings, carbine or rifle	8	
Straps — greatcoat	9	
Straps — mess-tin		
Straps — water bottle, iron, enamelled buff	5	
54 **Straps** — water bottle, iron, enamelled black	4	
Gen. No. **Vallises** — canvas	6	
8048 **Vallises** — leather	8	
Whistles with thongs	12	

HARNESS, SADDLERY, AND STABLE NECESSARIES.

TABLE 3.	Duration, in years.	Remarks.
HARNESS AND SADDLERY.		
Bags — corn*	8	
Bags — nose*	3	
Bands, back	7	
Bearers, trace	7	
Bits — bridoon	12	
Bits — portmouth	12	
Blankets, saddle	4	

* Nose and corn bags are expected to last the periods prescribed for them respectively when the troops are in permanent stables only. On other occasions the time these articles will last will depend on the nature of the service and the station.

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Harness, Saddlery, and Stable Necessaries—*continued.*

TABLE 3—*continued.*	Duration, in years.	Remarks.
Breastpieces	7	
Breastplates	5	
Breechings	7	
Bridles, snaffle	3	
Brushes { harness, hard	1	
Brushes { horse...	1	
Buckets { carbine	5	
Buckets { lance...	5	
Buckets { rifle	5	
Cases, horseshoe	7	
Chains, hame	6	
Collars { breast	7	
Collars { head { warrant officers, non-commissioned officers and men	4	
Collars { head { officers	5	
Collars { neck	7	
Combs, curry	1	
Cruppers	7	
Frogs, swords, saddle	5	
Girths { leather	7	
Girths { web...	3	
Hames	16	
Heads, bridle	5	
Hooks, pole bar	10	
Irons, stirrup	16	
Leathers, stirrup	5	
Leggings, drivers'	7	
Numnahs	3	
Pads, { back, A.S.C.	6	
Pads, { collar, zinc	3	
Pannels, { saddle { drivers and luggage...	7	
Pannels, { saddle { officers and universal	8	
Pannels, { numnah	8	
Pickers, hoof	3	
Pieces, buckling	7	
Protector, cape	8	
Reins { bearing, leading, and bridoon ...	5	
Reins { portmouth bit, and side	5	
Reins { driving	6	
Ropes, head	4	
Runners, stirrup, leather	10	
Sacks, corn*	5	
Saddletrees {	12	
Saddletrees { flaps	6	
Saddletrees { seats	6	
Saddletrees { V-girth, attachments ...	6	
Skins { lamb, officers	7	
Skins { sheep, Household Cavalry ...	6	
Sponges, general service	1	
Straps { all kinds (*except kicking*) ...	5	
Straps { kicking	10	
Surcingles	5	
Traces { harness, lead and wheel, and saddlery	7	
Traces { harness, short	7	
Tugs, back-band, and breast harness ...	7	
Wallets...	7	
Whips { drivers	3	
Whips { driving	3	
Whips { hand	1	
Whips { longeing	2	
Scissors, trimming { 1 pair for each riding horse ...	5	
Scissors, trimming { 1 pair for each pair of draught horses	3	

54	
Arty.	
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* Corn sacks are expected to last the periods prescribed for them when the troops are in permanent stables only. On other occasions the time these articles will last will depend on the nature of the service and the station.

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Part-worn Harness and Saddlery.

The period of duration for articles of harness and saddlery issued part-worn is to be taken under ordinary circumstances as half that fixed for new.

MUSICAL INSTRUMENTS.

TABLE 4.	Duration, in years.	Remarks.
Bugles, without strings	4	Mounted corps.
	6	Other corps.
Cases, leather, flute, B	6	
Cases, leather, flute, F	6	
Cases, leather, piccolo	6	
Cases, drum, ticken	10	
Drums, side, brass, large	10	
Drums, side, brass, cords	$\frac{9}{12}$	
Drums, ,, sticks ... pairs	10	
Drums, silent	10	
Tuning-forks	6	
Flutes, B	6	
Flutes, F	6	
Pitchpipe	6	
Piccolos, E, flat	6	
Piccolos, F	6	
Strings, bugle, or trumpet	4	
Trumpets	4	Mounted corps.
	6	Other corps.

APPOINTMENTS, PIONEERS.

TABLE 5.	Duration, in years. For Infantry	Duration, in years. For Cavalry.	Remarks
Axes, felling, curved helve	12	...	
Axes, hand	12	12	
Axes, pick, 2¾ lbs. heads, 29-in. helve	12	...	
Axes, pick, 6½ lbs. heads, 34½-in. helve	...	12	
Bars, pinching, 2 ft. 10 ins.	12	...	
Caps, hand-axe, brown	12	...	
Cases, black, billhook	9	...	
Cases, pinching bar	9	...	
Cases, hand-axe and 20-in. saw	9	...	
Cases, tools, shoeing, No. 1	9	...	
Cases, tools, shoeing, No. 2	9	...	
Cases, tools, small	9	...	
Cases, pioneer equipment, cavalry	...	9	
Frogs, leather, hand-axe	12	...	8 years in case of rifle battalions.
Hooks, bill	12	...	
Nippers, end-cutting, cavalry, pioneer	...	8	
Pouches, gunspike, brown	9	...	
Pliers,	...	8	
Pouches, matchbox	...	9	
Rules, 18 ins.	...	12	
Saws, hand, 20-in.	12	...	
Saws, hand, 18-in.	...	12	

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Appointments, Pioneers—*continued.*

TABLE 5—*continued.*	Duration, in years. For Infantry	Duration, in years. For Cavalry.	Remarks.
Shovels, light, cast-steel	12	...	
Sets, saw, hand	...	12	
Spikes, gun, common	12	12	
Spades, new pattern	...	12	
Straps, connecting, valise equipment, old pattern, mess-tin	9	...	
Spanners, MacMahon, 9-in.	...	12	
Tools — shoeing — buffer, farriers'	12	...	
shoeing — hammer, wheelers', shoeing ...	12	...	
shoeing — knife, drawing	12	...	
shoeing — pincers, farriers'	12	...	
shoeing — rasps, farriers', 14-in.	12	...	
small — augers — screw, 1-in.	12	...	
small — augers — bull-nosed, 2-in. ...	...	12	
small — chisels — hand, cold, ¾ in. by 8 ins.	12	...	
small — chisels — socket, 1¼-in.	12	...	
small — files, saw, hand — 5½-in.	12	...	
small — files, saw, hand — 3-square, 6-in. ...	...	12	
small — hammers, claw	12	...	

MISCELLANEOUS ARTICLES.

TABLE 6.	Duration, in years.	Remarks.
Box, school materials...	12	
Case, wood, armourers'	12	
Flags, signal, army — large...	2	
Flags, signal, army — small	1½	
Flags, signal, army — poles — large ...	4	
Flags, signal, army — poles — small ...	3	
Stamps — brass or gun metal, on wood, ¼ in. ... — figures, 0 to 8, sets	12	
Stamps — brass or gun metal, on wood, ¼ in. ... — letters, single	12	
Stamps — copper, inlaid, ½ in. ... ... — figures, 0 to 8, sets	12	
Stamps — copper, inlaid, ½ in. ... ... — letters, single	12	
Stamps — steel, for wood, ¼ in. ... ... — figures, 0 to 8, sets	12	
Stamps — steel, for wood, ¼ in. ... ... — letters, single	12	
Stamps — steel, ½ in.	12	
Stamps — wood, 2 ins.	12	

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SECTION XIX.—DUTIES OF ARMOURER-SERJEANTS.

Duties.

373. Armourer serjeants will perform the following duties:—

(*a.*) Execute all repairs required to the arms (including lances, pistols, swords, and scabbards) in possession of, or that may be supplied to, their respective units; and perform any other work, within their capabilities, required to the equipment of their units, such as repairs to helmets and chains, busby chains, lancer cap chains, and the brasswork on the lancer cap.

(*b.*) Thoroughly strip all rifles, carbines, and pistols, and examine and clean them periodically. With the prescribed assistance, brown the barrels of such arms, including machine guns, as may require it immediately after the quarterly examination. Examine and clean periodically all arms, and also all machine guns, in accordance with the Instructions for care and preservation of machine guns.

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(*c.*) Mark all arms in possession or that may be supplied, also the drums, bugles, flutes, piccolos, or trumpets. Perform all repairs to the iron and metal-work of accoutrements, saddlery, and appointments, including the roughing of stirrup irons which is to be done every third year, or oftener if necessary. Keep in repair the tools in the armourer's boxes.

(*d.*) Within working hours, the services of armourer serjeants will, when the duties of their own units admit, be generally available for the performance of any of the above duties for other units or departments, without extra remuneration; but the employment of an armourer-serjeant with another corps is limited to the case of units without artificers,—or to cases in which artificers are attached, but additional assistance is required under exceptional circumstances.

(*e.*) Execute repairs necessitated by carelessness or wilful damage, without addition to pay.

(*f.*) Fit the plates supplied with cork helmets.

Localised armourer serjeants.

374. The localised armourer-serjeants, referred to in paragraph 337, will examine, repair, and rebrown, as necessary, the arms of all depôts, units unprovided with armourer-serjeants, and militia battalions, in the districts allotted to them.

Additional work.

375. Armourer-serjeants will, in addition to the duties laid down in paragraphs 373 and 374, execute any trifling repairs, and also such other work within their capabilities as, under special authority, they may be called upon to perform.

Soldiers not to be charged.

376. Armourer-serjeants are not allowed to make any charge against a soldier for work performed on the arms.

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APPENDIX I.

(*Referred to in paragraphs* 11, 55, *and* 85.)

INSTRUCTIONS FOR KEEPING EQUIPMENT LEDGERS.

1. The ledgers will contain a faithful record of all permanent equipment received or issued. They will be balanced up to 31st March in each year, and will be forwarded, with the vouchers in support, from home stations direct, and from stations abroad through the chief ordnance officer, before the 1st May, to the War Office. The vouchers are to be laid flat in the equipment ledger. **Ledgers. When balanced and furnished.**

2. When a change of commanding officers takes place between the 31st December and the 1st April, the officer assuming the command will not be required to render an equipment ledger until the 31st March of the following year, unless another change of commanding officers shall take place in the meantime. **When they need not be furnished.**

3. Copies will be kept of all equipment ledgers sent to the War Office. Should any queries arise on the examination of the ledgers, copies of such queries and of the replies will be retained by the accountant, who will correct his copy of the ledger accordingly. **Copies to be kept.**

4. On a unit being disbanded, or embarking for India, the equipment ledger will be balanced and forwarded to the War Office. **Special cases.**

5. When equipment is transferred from one accountant to another, stock will be taken as laid down in paragraph 11, Part 1, and the Board therein mentioned will furnish the following certificate : **Transfer of equipment.**

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We certify, in accordance with paragraph 11, Part 1, of the Equipment Regulations, that on the transfer of the equipment of the * on the† the whole has been inspected by us, and has been found to be properly appropriated, in good condition, and to agree in the quantities and numbers of the several articles actually in possession, with those shown in the equipment ledger.

* Here insert the corps.
† Here insert the date.

President, _____

Members _____

_____

_____ *Officer giving over charge.*

_____ *Officer taking over charge.*

Stores found surplus or deficient.

6. Any surplus stores will at once be brought on charge in the ledger by certificate receipt voucher, and all stores which may be found to be deficient will be struck off charge by a priced voucher (Army Form P 1925). These vouchers will be signed by the officers who sign the certificate.

A balance to be struck.

7. A balance will then be struck, as directed in paragraph 22 of this Appendix, which will show the total of each article of equipment for which the officer who takes over command is responsible. This balance will agree with the numbers given by the certificate referred to in paragraph 5 of this Appendix.

Ledger to be closed and submitted.

8. The officer giving over command will then close his ledger to date of giving over charge, and submit it as a final account for examination, and he will be held responsible for all discrepancies which may be found to exist therein; he will also give facilities to the officer assuming command to start a new ledger, the first line, or "state," of which should agree in every particular with the balance, or "remain at date," shown in the old ledger.

Covering letter with explanations.

9. In forwarding the ledger to the date of transfer of charge, or date of final balance, it should be accompanied by a covering letter, and any explanations the officer giving over command may have to make as regards surplus or deficient stores.

Equipment of detachments.

10. Officers commanding detachments referred to in paragraph 93, Part 1, will render equipment ledgers in accordance with these regulations, so long as they remain independently detached. When a detachment of infantry is attached to a battalion, the equipment will be transferred, by voucher, to the officer commanding the battalion, but will be accounted for by him, in a separate ledger, Army Book 239, and in the case of a provisional battalion composed of several detachments, the commanding officer will render a separate ledger for each such detachment.

Closing detachment ledgers.

11. When a detachment returns to its own unit, or is absorbed in a territorial depôt or other corps, the equipment will similarly be transferred to the depôt or corps ledger; and the detachment

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edger will be closed, and rendered, complete with its vouchers, to the War Office as a final ledger.

12. Articles supplied in sets for which a single heading is provided in the printed equipment ledgers, will be so accounted for. Thus, chests with tools will be shown as "chests, tool, filled," and the armourer's box, with the materials and tools carried therein, as "box, armourer's." A certificate will be given at the end of the ledger by the commanding officer that the sets, tool chests, and box are complete, and contain the articles that should be comprised in them, as detailed in the regulations. When articles charged in detail are taken on in the equipment ledger as sets, reference will be given to the paragraph or table of the regulations which gives the detail. The articles drawn from the army ordnance department to replace losses, &c., in these sets will be taken on charge in the ledger, and the corresponding articles paid for or returned to store will be written off under the same heading.

Articles supplied in sets not to be accounted for in detail.

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13. All transactions of receipt and issue that should be recorded in the ledgers will be posted as soon as possible after they occur, and will be supported by voucher.

Transaction to be promptly recorded.

14. Vouchers for stores issued are called issue vouchers, and are posted on the right hand or credit side. Vouchers for stores received are called receipt vouchers, and are entered on the left hand or debit side of the ledger.

Designations and posting of vouchers.

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15. Both receipt and issue vouchers will be filled in by the insertion of the total numbers only in the column of the voucher headed "total number or quantity," the columns S. R. U. and D. being left for use of the army ordnance department.

Vouchers to show total quantity only.

16. The ledger folios at which entries are made should invariably be noted on the vouchers supporting the account in the column headed "ledger folio."

Ledger folio to be noted on vouchers.

17. Receipt vouchers and issue vouchers will be kept distinct from each other, arranged consecutively according to date, and numbered in red ink on the face of the voucher in two distinct series from 1 upwards for the whole period of the account. The total number of each series will be stated on the inside cover of the ledger, or on the covering letter transmitting the account.

Receipt and issue vouchers to be kept separate.

18. The ledger is balanced by adding up the receipts on the left hand side, and the issues on the right hand side of the ledger, by bringing the total issues over to the left hand side and writing them immediately under the total receipts, the quantities left become the ledger balance or "remain." The remain, when carried forward as the commencing line of the next account, is called the "state."

How the ledger is balanced.

Remain.

State.

19. In forwarding the equipment account, officers commanding will certify that it has been carefully checked by an officer appointed by him for that purpose, who will sign it in evidence of such examination.

Certificate on forwarding account.

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APPENDIX II.

(*Referred to in paragraph* 83.)

SURVEYS ON THE EQUIPMENT OF TROOPS PROCEEDING TO OR RETURNING FROM INDIA.

SURVEYS AT HOME.

Arrangements to be made with General Officers Commanding.

1. If the survey is at home, the officer appointed by the Secretary of State will ascertain, from the general officer commanding in whose district the unit is stationed, the day on which it will be convenient that the survey should be made; and will on such day being named, arrange, with the officer appointed on behalf of the Government of India, to commence the duty.

Representative officers.

2. The officer so appointed on the part of the War Office will hold the survey in conjunction with the officer named by the India Office.

Object of survey.

3. The object of the survey being to obtain a true account of all articles of Government property in possession of the unit, with a view to a correct valuation between the Imperial and Indian revenues, it is necessarily minute and somewhat tedious, and much, therefore, depends upon the co-operation of all concerned, in order to bring the survey to a speedy and satisfactory conclusion.

Officers commanding to have lists prepared.

4. To facilitate the survey, the officer commanding the corps of which the equipment is to be inspected, will cause lists of all the articles in possession to be prepared in duplicate, together with returns showing the dates of issue of each article, in readiness to be handed over, with the inspection forms for each squadron, battery, or company, to the officers holding the survey. These lists will be made out on Army Forms, which, with the Inspection Forms, should be obtained from the Valuation Committee, India Office London.

Ledger to be temporarily balanced.

5. The regimental equipment ledger will be temporarily balanced to the date of the survey, and will be handed to the surveying officers, in order that they may see that all the equipment chargeable to the unit is included in the survey report. Any transactions subsequent to the survey will be duly entered in the ledger, and a final balance struck to date of embarkation.

Forms to be handed to surveying officers.

6. Previously to the commencement of the survey, the commanding officer will hand over the prepared forms referred to in paragraph 4 of this Appendix to the surveying officers, who will enter the detailed results of their inspection thereon.

Inspection to be by squadrons, batteries, or companies.

7. The inspection will be taken by squadron, batteries, or companies, each man bringing up his complete set of accoutrements in order of the rolls, every article being separated.

Cloaks and great coats.

Cloaks, capes, great coats, and haversacks will be inspected at the same time.

Arms and accoutrements of staff and band.

8. The arms, accoutrements, and appointments, of infantry staff serjeants, drummers, band, and pioneers, will be inspected separately; different rolls being provided for the detail of their appointments.

Quartermasters' stores.

9. After this the quartermaster's and the industrial school stores, armourer's box, and artificers and regimental tradesmen's tools, materials for repair, and any other miscellaneous articles of Government property will be inspected, their condition and date of issue being carefully noted on rolls previously prepared for the purpose.

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10. It is absolutely necessary that every article be produced for inspection, as any deficiencies afterwards discovered, on the examination of the accounts, will be chargeable to the unit, and will be paid for prior to embarkation. Every article to be produced.

11. On the termination of the survey, while the surveying officers are upon the spot, they will draw up a joint report of the result of the survey, and will forward the same, accompanied by the detailed forms alluded to in paragraphs 4 and 6 of this Appendix, through the general officer commanding, to the War Office. Report to be forwarded to the War Office.

12. In the case of units proceeding from home the survey will be held about one month prior to the date on which the unit is under orders to embark. Date of survey.

13. Commanding officers will take care that their equipment ledgers are duly balanced up to date of embarkation, and are forwarded as laid down in paragraph 4, Appendix I. Ledger to be balanced, &c.

14. Any arms and accoutrements which, owing to their condition at the time, the officers holding the survey and the commanding officer may consider necessary to be replaced, will be exchanged by the chief ordnance officer on requisition from the commanding officer, countersigned by the surveying officers. *See* Queen's Regulations. Commanding officers will be held responsible for the return to store of such unserviceable articles prior to the embarkation of the unit. Unsuitable articles to be exchanged.

15. When articles of equipment are taken to India by drafts, the officer commanding the unit to which the men belong will send to the War Office a return showing the number of articles so taken, giving the dates of issue, and condition (*see* paragraph 14 of this Appendix), and will name the vessel in which the men have embarked, and the date of embarkation. Report of articles sent with drafts to be made.

Water-bottles and Valises.

15A. On proceeding to, or coming from, India, troops will take, or bring with them, water-bottles and valises of home service pattern. On arrival in India these bottles and valises will be handed over to the India Ordnance Department, and a receipt obtained for them. On embarking from India a similar receipt will be given to the ordnance officer by the officer commanding the unit receiving the bottles or valises. All mention of these stores will be omitted from the valuation returns.

Troops returning from India.

16. The survey upon the arms, accoutrements, appointments, and clothing in possession of a unit on its return from India, will be held as early as possible after its arrival at its final destination in the United Kingdom, and will be conducted in the same manner as in the case of regiments proceeding to India from this country. When the survey has been taken, requisitions for any articles required in place of those which may have become obsolete or unserviceable will be at once put forward, in order that no time may be lost in completing the clothing and equipment of the unit. Should the survey have to be delayed unduly from any cause, an immediate report of the circumstances will be made to the War Office by the general officer commanding. The stores brought from India will be retained by the unit or draft, or at depôts, until authority for their disposal has been received from the Valuation Committee appointed by the War and India Offices. Survey to be held within one week after arrival at destination. Arms, &c., to be retained till receipt of order for disposal.

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Units returning from India.

17. When the necessary survey is held on the equipment of a unit returned from India, the surveying officers will furnish the commanding officer with a detail of the equipment taken over from the Indian Government, and this equipment will become the first charge in the Imperial equipment ledger. This detail will be put up with the ledger as a voucher for the entries made therein. They will also furnish the commanding officer with a list of the unserviceable articles to be returned to the India Store Department, but no record of the transaction will appear in the Imperial equipment ledger. All packages, the property of the Imperial Government, used for despatching the unserviceable stores will be taken on charge in the equipment ledger on receipt from the Army Ordnance Department, and struck off charge when sent to the India Store Department.

Indian ledger and clothing accounts to be produced.

18. The commanding officer will produce to the officer representing India, the Indian equipment ledger and accounts of clothing and necessaries, showing the final balances closed to the date of embarkation, together with copies of the Indian returns showing the condition and dates of issue of all equipment on leaving India.

Vouchers to be sent with articles to India Store Depôt.

19. No articles will be sent to the India Store Depôt, Lambeth, without a receipt and issue voucher, on the printed forms which are furnished by the Valuation Committee when the equipment is inspected; and these documents will be forwarded to the Superintendent of General Supplies, India Store Depôt, Belvedere Road, Lambeth, so as to anticipate the arrival of the articles to which they refer.

Name on packages.

20. The name of the unit, or draft, from which the articles are sent will be marked on the outside of the cases or packages.

Articles in possession of men joining direct.

21. Officers commanding depôts, or other units, will forward to the War Office, returns of all arms and equipment, &c., in possession of soldiers coming home from India and joining their depôts or other units direct, specifying the condition as well as dates of issue of the same. These returns will be forwarded as soon as possible after the men join, and will not include articles in possession of men who are discharged immediately they arrive.

Clothing and necessaries.

22. For instructions as to the survey of clothing and necessaries, *see* the "Clothing Regulations."

SURVEYS ABROAD.

Troops proceeding to India from abroad.

23. The conditions laid down in the previous paragraphs will apply equally to the surveys to be held on equipment of troops proceeding to India from stations abroad, it being left for the consideration of the Indian Government to send out an officer to act on their behalf.

Constitution of Board of Survey.

24. If the inspecting officers of the Valuation Committee are unable to attend, a special Board of Survey is to be convened for the inspection, which Board is, as far as practicable, to be constituted as follows:—

A field officer of the unit, President.
A captain of the unit } Members.
An army ordnance officer }

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The quartermaster of the battalion or regiment will be in attendance for the purpose of affording any information the Board may require.

25. The chief ordnance officer will arrange, as laid down in paragraph 1 of this Appendix, for the survey, and also for the convening of the Board. Arrangement with G.O.C.

26. The necessary forms for carrying out the survey will be supplied as laid down in paragraph 4 of this Appendix, and the inspection of the equipment is to be made in accordance with the mode of procedure laid down for units proceeding from the United Kingdom, and, when completed, the returns will be signed by the president and members of the board. Necessary forms to be supplied.

27. The quartermaster will furnish the following returns, signed by himself, and countersigned by the commanding officer :— Returns signed by officer commanding.

List of Materials for repairing { Accoutrements. / Arms.

„ Armourers' tools.
„ Tools for trades (*if any are taken out*).
„ Industrial school materials to be taken out.
„ Dates of receipt of equipment.

28. When all the returns and forms of inspection have been duly completed and signed, they will be forwarded, with the Board's report of result of inspection or survey, to the general officer commanding for transmission to the War Office. Returns to be forwarded.

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APPENDIX III.

(*Referred to in paragraph* 365.)

INSTRUCTIONS FOR THE CARE AND PRESERVATION OF FLUTES AND PICCOLOS.

Joints and bore to be wiped with oiled rag.

1. The player, in whose care the instrument is placed, must carefully wipe the joints and bore with an oiled rag or brush once or twice a week. The oil must not be put on too thick, a slight gloss in the bore is all that is required.

Moisture to be removed.

2. After use the moisture must be wiped away from the joints and bore, and when perfectly dry inside, an oiled rag or brush must be passed through the bore.

Precautions against splitting.

3. To protect the wood from splitting the instrument must not be placed in the sun, nor laid on cold stone, or iron, while warm or wet inside, and the cleaning rag must not be forced through the bore.

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APPENDIX IV.

(*Referred to in paragraph* 241.)

TOOLS AND MATERIALS FOR REGIMENTAL AND CIRCUIT ARMOURERS.

1. The tools and materials will be supplied free in the first instance, but are thereafter to be kept up and renewed as they become worn out, at the expense of the armourer.

2. The screw plates and taps when renewable must be obtained exclusively from the Army Ordnance Department.

3. When a regimental armourer is detailed to perform work for which tools are required which are not included in his set, the additional tools can be obtained on loan from the Army Ordnance Department.

Articles.	For Armourers of Units armed with					For Circuit Armourers.	Remarks.
	Carbines		Rifles				
				M.L.M.			
	M.L.M. and M.L.E. Cavalry.	M.M. and M.E. Artillery.	M.E. Mark I.	Mark I.*	Mark II, II*, and M.L.E. Mark I.		
Boxes, tool, empty, regimental armourers	1	1	1	1	1	1	
Chests, tool, empty, district armourers	....	....	....	....	....	1	
Awls { blades, armourers	2	2	2	2	2	2	
Awls { handles, brad, small	2	2	2	2	2	2	
Bits, soldering, 1½-lbs.	1	1	1	1	1	1	
Blocks, depressing lever, M.M.	....	1	1	....	....	1	
Braces, armourers	1	1	1	1	1	1	
Braces, armourers, bits { countersink, rose	1	1	1	1	1	1	
Braces, armourers, bits { rimer { half-round	1	1	1	1	1	1	
Braces, armourers, bits { rimer { 4-square	1	1	1	1	1	1	
Braces, armourers, bits { rimer { 5 „	1	1	1	1	1	1	

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Tools and Materials for Regimental and Circuit Armourers—*continued.*

Articles.	For Armourers of Units armed with: Carbines: M.L.M. and M.L.E. Cavalry.	Carbines: M.M. and M.E. Artillery.	Rifles: M.E. Mark I.	Rifles: M.L.M.: Mark I*.	Rifles: M.L.M.: Mark II, II*, and M.L.E. Mark I.	For Circuit Armourers.	Remarks.
Braces, armourers, bits — screw-driver — butt plate screw	1	1	1	1	1	1	
Braces, armourers, bits — screw-driver — stick, cleaning chamber, ·303-in. arms, also for cutter, countersink cartridge head M.M. and M.E.	1	1	1	1	1	1	
Braces, armourers, bits — stock bolt, M.L.M. rifle	1	1	1	1	1	1	
Braces, armourers, bits — stop nut	....	1	1	.....	....	1	
Braces, armourers, bits — spoon (with washer)	1	1	1	1	1	1	
Brushes, wire, M.L.M. rifle	*	*	*	*	*	*	*1 per annum for every 100 stands of arms.
Cans, oil, lubricating, armourers	1	1	1	1	1	1	
Chisels — firmer .... ¾ in.	1	1	1	1	1	1	
Chisels — firmer .... ½ ,, ...	1	1	1	1	1	1	
Chisels — firmer .... ¼ ,, ...	1	1	1	1	1	1	
Chisels — hand, cold ½ ,, × 7 in.	1	1	1	1	1	1	
Chisels — hand, cold ⅜ ,, × 7 ,, ...	1	1	1	1	1	1	
Clams, armourers, vice.... .... pairs	1	1	1	1	1	1	
Corks, clam (single)	4	4	4	4	4	4	
Cutters, countersink cartridge head, M.M. and M.E.	....	1	1	....	....	1	
Drifts — fore-end — M.M.	....	1†	....	....	....	....	†For A.C.M.M., Mark II.
Drifts — fore-end — M.L.M. rifle — Mark I.*	....	....	....	1	....	1	
Drifts — fore-end — M.L.M. rifle — Mark II.	1	....	....	....	1	1	
Drifts — magazine, catch pin, M.L.M.....	1	....	....	1	1	1	

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Tools and Materials for Regimental and Circuit Armourers—*continued.*

Articles.	For Armourers of Units armed with					For Circuit Armourers.	Remarks.
	Carbines		Rifles				
				M.L.M.			
	M.L.M. and M.L.E. Cavalry.	M.M. and M.E. Artillery.	M.E. Mark I.	Mark I.*	Mark II, II*, and M.L.E. Mark I.		
Gauges, armourers — cartridge head, M.M. and M.E.....	....	1	1	....	....	1	This also serves as a gauge cartridge dummy M.M. for testing loading and firing positions of M.M. and M.E. arms.
distance of bolt from end of chamber, M.L.M. — ·064 in.	1	1	1	1	1	1	
distance of bolt from end of chamber, M.L.M. — ·072 „	1	....	....	1	1	1	
striker, point, M.L.M., Patt. B....	1	1	1	1	1	1	
Gimlets. common	3	3	3	3	3	3	
Gouges, firmer — ¾-inch	1	1	1	1	1	1	
Gouges, firmer — ½ „	1	1	1	1	1	1	
Gouges, firmer — ¼ „	1	1	1	1	1	1	
Hammers, riveting — 24-oz.	1	1	1	1	1	1	
Hammers, riveting — 4 „	1	1	1	1	1	1	
Handles, file — large	6	6	6	6	6	6	
Handles, file — small	6	6	6	6	6	6	
Horses, armourers (with screw)	....	....	....	....	....	2	
Implements, action, pattern C	1	....	....	1	1	1	
Mandrils — scabbard, sword bayonet, pattern 1888 — blocking, leather	....	1	....	1	1	1	
Mandrils — scabbard, sword bayonet, pattern 1888 — locket	....	1	....	1	1	1	
Mandrils — scabbard, sword bayonet, pattern 1888 — tip (or chape)	....	1	....	1	1	1	
Mandrils — sight protector, pattern B	....	....	1	1	1	1	
Pincers, armourers .... pairs	1	1	1	1	1	1	
Planes, smoothing, armourers	1	1	1	1	1	1	
Plates, screw — 6 taps, 3-hole .... sets	....	1	1	....	....	1	
Plates, screw — 20 „ 20 „ .... „	1	....	....	1	1	1	
Pliers, flat nose .... pairs	1	1	1	1	1	1	

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Gen. No.										
54 7107	**Plugs**, clearing	plain, ·303 arms	....	1	1	1	1	1		Tapped at end to screw on rod.
		split, M.L.M. rifle	....	1	1	1	1	1		
	Pots, glue, ½-pint		....	1	1	1	1	1		To be replaced by "Tool, extractor, spring," when store is exhausted.
	Pressers, extractor, spring, M.L.M. rifle		....	1	....	1	1	1		
	Punches, depressing lever, M.M.		....	....	1	1	....	1		
	Rasps, fine, half-round, 9-in.		....	1	1	1	1	2		
	Rods, armourers, cleaning, M.L.M. rifle		....	1	1	1	1	1		Tapped at end to take wire brush.
	Saws	horns of lever, M.M.	....	1	1	1	1	1		
		hand, 24-inch	....	1	1	1	1	1		
		slitting, 7½-inch	....	1	1	1	1	1		
	Scribers, for sight line tool		....	....	....	....	....	....		This should be made by armourer.
	Stakes, armourers	horns of lever, M.M.	....	....	1	1	....	1		
		lever for tumbler, M.M.	....	....	1	1	....	1		
	Stamps, steel	for metal ⅛-inch, letters, 1 letter	....	*	*	*	*	1 set		*As required for regimental initials of abbreviated corps marks.
		for metal ⅛-inch, figures, 0 to 8, sets	....	1	1	1	1	1		
		⅛-inch, letters, 1 letter	....	1 set	*†	1 set	1 set	1 set		
		dash lines, ½-inch, for metal	....	1	1	1	1	1		
	Sticks	buff	....	3	3	3	3	3		†As required for regimental terminals of abbreviated corps marks.
		cleaning chamber, ·303 arms	....	1	1	1	1	1		
		" " ·303 arms, gauze wire pieces	....	1	1	1	1	1		
	Stones, oil	armourers	....	1	1	1	1	1		
		slips, Arkansas large	....	....	....	1	....	1		
		small	....	....	1	1	....	1		
54 7107	**Testers**, trigger pull, M.L.M. rifle		....	1	1	1	1	1		To replace "Presser, extractor, spring," when store of latter is used up.
	Tool, extractor, spring		....	1	....	1	1	1		
	Tools	bow drilling bows, armourers	....	1	....	1	1	1		
		boxes	....	2	2	2	2	2		
		breast-plates, armourers	....	1	1	1	1	1		
		drills	....	1	1	1	1	1		
		stocks	....	1	1	1	1	1		
		strings, armourers, knots	....	2	2	2	2	2		
		clearing, ·303 inch arms, bits corkscrew	....	1	1	1	1	1		
		spoon	....	1	1	1	1	1		

(EQ. R.)

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Tools and Materials for Regimental and Circuit Armourers—*continued.*

Articles.	For Armourers of Units armed with					For Circuit Armourers.	Remarks.
	Carbines		Rifles.				
	M.L.M. and M.L.E. Cavalry.	M.M. and M.E. Artillery.	M.E. Mark I.	M.L.M.			
				Mark I.*	Mark II, II*, and M.L.E. Mark I.		
Tools clearing, ·303 inch, arms, rod	1	1	1	1	1	1	Screwed at end to take clearing bits and plugs.
removing handguards	....	....	....	1	1	1	
striker, patt. A. or B.	1	....	....	1	1	1	
wad, stock bolt	1	....	....	1	1	1	
repairing bayonet scabbards awls, spoon	....	....	1	....	....	....	
blocks, riveting	....	....	1	....	....	....	
mandrils, long	....	....	1	....	....	....	
pliers .... pairs	....	....	1	....	....	....	
pressers	....	....	1	....	....	....	
cup	....	....	1	....	....	....	
riveting large	....	....	1	....	....	....	
riveting small	....	....	1	....	....	....	
punches set	....	....	1	....	....	....	
punches stripping	....	....	1	....	....	....	
sets, flat	....	....	1	....	....	....	
sight line, rifle	1	1	1	1	1	1	
Vices hand, 16-oz.	1	1	1	1	1	1	
standing, 36 lbs.	....	....	....	....	....	1	

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TOOLS FOR SWORDS & SCABBARDS.

Mallets, scabbard, sword, cavalry	....	....	....	....	....	....	....	....	....	1	Also 1 of each for armourers of mounted corps, pattern of mandril to follow pattern of scabbard in possession.
Mandrils, scabbard, sword, { Mark I.	....	....	....	....	....	....	....	....	....	1	
cavalry, pattern 1885 { Mark II.	....	....	....	....	....	....	....	....	....	....	
MATERIALS.											
Boxes, oilstone dust	....	....	....	1	....	....	1	1	1	1	
Borax, refined	....	....	....	2	2	2	2	2	2	2	
Cloth, emery, fine { O.	....	....	....	½	½	½	½	½	½	½	
{ F.	....	....	....	½	½	½	½	½	½	½	
Dust, oilstone	....	....	....	6	....	6	6	6	6	6	
Glue, best town made	....	....	....	1	1	1	1	1	1	1	
Paper, glass { coarse, No. 2	....	....	....	½	½	½	½	½	½	½	
{ fine, No. 1½	....	....	....	½	½	½	½	½	½	½	
Resin, black	....	....	....	½	½	½	½	½	½	½	
Spelter, brass	....	....	....	2	2	2	2	2	2	2	
Tin, grain	....	....	....	4	4	4	4	4	4	4	
Wire, armourers, iron, No. 20 S.W.G., soft	....	lbs.		½	½	½	½	½	½	½	

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APPENDIX V.

(*Referred to in paragraphs* 243 *and* 245.)

SETS OF TOOLS.

CHEST, TOOL, FILLED, No. 1A.

(Bricklayer's and Mason's, General Service, except for Royal Engineers.)

Articles.	No.
Woolwich Section, 2.	
Axes, pick { heads, 6½-lb.	1
helves, 34½ inches	1
Shovels, universal	1
Woolwich Section, 7.	
Chests, tool, empty, No. 1.	1
Axes, masons', 6-lb.	2
Bars, setting	1
Bevels, wood blade, 15-inch	1
Brushes, whitewash { 9-oz.	1
6 ,,	1
Chisels { brick { 24-inch	1
18 ,,	1
12 ,,	1
masons' { 2½ ,,	1
2 ,,	1
1½ ,,	1
1 ,,	1
Hammers { brick	1
masons { chisel point, 5-lb.	1
double pick, 8-lb.	1
mash	1
spalling, 10-lb.	1
Levels, F. S., 2-ft. 6-in.	1
Lines, bricklayers'	1
Mallets, masons'	1
Pins, line	pairs 1
Plugs, with feathers	sets 6
Points, masons'	2
Rules { collarmakers', 4-fold	1
masons', plumb	1
Squares, smiths', iron	1
Trowels { bricklayers', 12-inch	1
masons'	1
plasterers', set	1

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Chest, Tool, Filled, No. 1A (Bricklayer's and Mason's)—*cont.*

Articles.	No.
The undermentioned are not carried in the Chest, and will be separately demanded, charged, and accounted for.	
Woolwich Section, 7.	
Sieves, masons'	1

CHEST, TOOL, FILLED, No. 3A.
(Carpenter's, G.S.)

Articles.	No.
Woolwich Section, 7.	
Chests, tool, empty, No. 3	1
Adzes, carpenters' — heads....	1
Adzes, carpenters' — handles	1
Augers — shell — 1½-inch	1
Augers — shell — 1¼ "	1
Augers — shell — 1⅛ "	1
Augers — shell — 1 "	1
Augers — shell — ⅞ "	1
Augers — shell — ¾ "	1
Augers — shell — ⅝ "	1
Augers — shell — ½ "	1
Augers — handles — 18-inch	1
Augers — handles — 16 "	1
Augers — handles — 13½ "	1
Augers — handles — 12 "	1
Awls — blades, brad	24
Awls — handles, brad — large	3
Awls — handles, brad — small	3
Axes, carpenters', 6½-lb.	1
Bags, tool, carpenters'	1
Bars, crow, 2 ft. 3 in.	1
Bevels, steel blade, 12-inch	1
Braces, carpenters', with 24 bits*	1
Chisels, firmer — 1½-inch	1
Chisels, firmer — 1 "	1
Chisels, firmer — ¾ "	1
Chisels, firmer — ½ "	1

* Detail of bits:

Braces, carpenters', bits	centre, 1½, 1, ⅞, ¾, ⅝, ½, and ⅜-inch	7
	countersink — flat	1
	countersink — rose	1
	dowling, sash	1
	gouge, 7/16, ⅜, 5/16, ¼, 3/16, and ⅛-inch	6
	nose, ⅜, 5/16, ¼, 3/16, and ⅛-inch	5
	rimer, square	1
	screwdriver	1
	taper...	1

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Chest, Tool, Filled, No. 3A (Carpenter's, G.S.)—*continued.*

Articles.	No.
Chisels — hand, cold — 1 inch × 8 inches	1
hand, cold — ¾ „ × 8 „	1
mortice — ½-inch	1
mortice — ⅜ „	1
mortice — ¼ „	1
socket — 1½ „	1
socket — 1 „	1
socket — ¾ „	1
socket — ⅝ „	1
socket — ½ „	1
Compasses — common, 7-inch	1 pairs
Compasses — wing, 10 „	1 „
Drivers, screw, G.S. — 14-inch	1
Drivers, screw, G.S. — 6 „	1
Files — bastard — half-round, 14-inch	2
Files — bastard — round 14 „	1
Files — saw, three-square — hand 5½ „	18
Files — saw, three-square — tenon 4 „	6
Gauges, carpenters' — marking	1
Gauges, carpenters' — mortice	1
Gimlets — common — No. 1	2
Gimlets — common — „ 2	2
Gimlets — common — „ 3	1
Gimlets — common — „ 4	1
Gimlets — common — „ 5	1
Gimlets — common — „ 6	1
Gimlets — spike — ⅜-inch	2
Gimlets — spike — ¼ „	2
Gouges — firmer — ½-inch	1
Gouges — firmer — ½ „	1
Gouges — firmer — ⅜ „	1
Gouges — pecking, 1-inch	1
Hammers — riveting, 24-oz.	1
Hammers — smiths', sledge, 10-lb.	1
Hammers — wheelers', shoeing	1
Handles, file — large	2
Handles, file — middling	2
Handles, file — small	2
Lines, carpenters'	1
Mallets, carpenters'	1
Pencils, carpenters'	12
Pincers, carpenters'	1 pairs
Pins, draw-bore — 16-inch	1
Pins, draw-bore — 12 „	2
Planes — bead	1
Planes — jack, double iron	1
Planes — plough	1
Planes — rabbet, skew	1
Planes — smoothing, G.S.	1
Planes — trying	1

54
Gen. No.
7482

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Chest, Tool, Filled, No. 3A (Carpenter's, G.S.)—*continued.*

Articles.	No.
Pots, glue, 1-quart	1
Punches, carpenters' large	1
Punches, carpenters' small	1
Rasps, coarse, half-round, 12-inch	1
Reels, carpenters' line	1
Rules, carpenters', common	1
Saws compass	1
Saws hand, 26-inch	1
Saws tenon, 19-inch	1
Sets, saw hand	1
Sets, saw pit	1
Shaves, spoke 4-inch	2
Shaves, spoke 3¼ "	2
Spanners, McMahon, 15-inch	1
Squares carpenters', 9-inch	1
Squares smiths', iron	1
Stones, oil, carpenters'	1
Woolwich Section, 11.	
Chalk, white (for line, carpenters') lbs.	¼
Woolwich Section, 25.	
Brushes, paint, sash tool, No. 6	1
Woolwich Section, 26.	
Stones, rag	1

54
Gen. No. 6922

CHEST, TOOL, FILLED, No. 4A.
(Carpenter's, Plain, G.S.)

Articles.	No.
Woolwich Section, 7.	
Chests, tool, empty, No. 4	1
Adzes, carpenters' heads	1
Adzes, carpenters' handles	1
Augers screw, common 2-inch	1
Augers screw, common 1 " 29 inches long	1
Augers screw, common ¾ "	1
Augers handles 18-inch	1
Augers handles 16 "	1
Augers handles 13½ "	1
Baskets, tool	1
Chisels hand, cold, ¾ inch × 8 inches	1
Chisels socket, ¾-inch	1
Compasses, wing, 10-inch pairs	1
Drivers, screw, G.S., 12-inch	1

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Chest, Tool, Filled, No. 4A (Carpenter's, Plain, G.S.)—*cont.*

Articles.	No.
Files, saw, three-square { crosscut, 9-inch	2
hand, 5½-inch	3
54 Gen. No. 7482 **Gimlets** { common { No. 1	1
„ 2	1
„ 3	1
spike, $\frac{5}{16}$-inch	2
Hammers { riveting, 24-oz.	2
wheelers', shoeing	1
Handles, file, small	2
Knives, drawing, carpenters'	1
Lines, carpenters'	1
Pencils, carpenters'	6
Pincers, carpenters'	1 pairs
Punches, carpenters', small	1
Reels, carpenters' line	1
Rules, collarmakers', 4-fold	2
Saws, hand, 26-inch	1
54 Gen. No. 6922 **Sets**, saw { hand	1
pit	1
Shaves, spoke, 3½-inch	1
Spanners, McMahon, 15-inch	1
Squares, carpenters', 9-inch	1
Woolwich Section, 10.	
Locks, pad, iron, small	1
Woolwich Section, 11.	
Chalk, white (for line, carpenters')	¼ lbs.
Woolwich Section, 26.	
Stones, rag	1

CHEST, TOOL, FILLED, No. 5A.

(Collarmaker's and Saddler's.)

Articles.	No.
Woolwich Section, 7.	
Chests, tool, empty, No. 5	1
Awls, blades { backing	6
buckling { 4-inch	3
2¾ „	3

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Chest, Tool, Filled, No. 5A (Collarmaker's and Saddler's)—*cont.*

Articles.	No.
Awls — blades — drawing	2
Awls — blades — garnishing — 2¼-inch	2
Awls — blades — garnishing — 1⅞ „	2
Awls — blades — harness — 1⅞ „	3
Awls — blades — harness — 1¾ „	4
Awls — blades — harness — 1⅝ „	4
Awls — blades — harness — 1⅜ „	4
Awls — blades — harness — 1¼ „	3
Awls — blades — pannel — 5¾ „	2
Awls — blades — pannel — 4 „	2
Awls — handles — drawing	4
Awls — handles — harness	4
Awls — handles — pannel	4
Bones, hollow	1
Chisels, hand, cold, ¾ inch × 8 inches	1
Clams, collarmakers' — pairs	1
Claws, nail	1
Compasses, common, 7-inch — pairs	1
Creases — double	1
Creases — single	1
Drivers, screw, G.S., 6-inch	1
Gimlets, common, No. 6	1
Hammers — collarmakers'	1
Hammers — riveting — 24-oz.	1
Hammers — riveting — 8-oz.	1
Hammers — riveting — saddle-seat	1
Irons — collar — 34-inch	1
Irons — collar — 29 „	1
Irons — collar — 23 „	1
Irons — pricking — 12-stitch	1
Irons — pricking — 8 „	1
Irons — pricking — 5 „	1
Irons — seat, stuffing, 14-inch	1
Knives — clasp	1
Knives — gauge-plough	1
Knives — half-round	1
Knives — head	1
Lead, punching, collarmakers', 8-lb	1
Mallets — collar	1
Mallets — tinma'ns	1
Needles, — collar — half-moon — 6½-inch	1
Needles, — collar — half-moon — 5½ „	1
Needles, — collar — half-moon — 4½ „	1
Needles, — collar — packing — 1	2
Needles, — collar — packing — 2	2
Needles, — collar — packing — 3	2
Needles, — collar — packing — 4	3
Needles, — collar — packing — 5	3
Needles, — collar — packing — 6	3
Needles, — darning, 4-inch	6
Needles, — harness	100

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Gen. No.
7482

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Chest, Tool, Filled, No. 5A (Collarmaker's and Saddler's)—*cont.*

Articles	No.
Needles, saddlers' { sewing	100
{ stitching	25
Palms, collarmakers'	1
Pincers, saddlers' .... pairs	1
Pliers, flat nose .... ,,	1
Punches, oval { No. 31	1
,, 30	1
,, 28	1
,, 27	2
,, 24	1
,, 23	1
,, 22	2
,, 20	2
Rasps, shoemakers', 10-inch....	1
Rules, collarmakers', 4-fold	1
Scissors, tailors' .... pairs	1
Shaves, collarmakers'	1
Spikes, marline, wood	1
Thimbles, tailors'	2
Tools, edge { No. 1	1
,, 2	1
,, 3	1
Woolwich Section, 26.	
Stones { rag	1
{ rub, scythe	1
Steels, butchers'	1
The undermentioned are not carried in the Chest, and will be separately demanded, charged, and accounted for :—	
Woolwich Section, 7.	
Cards, towsing, small* .... pairs	1

* Towsing cards will not be issued unless specially demanded. When issued to R.H.A. and Field Batteries they will be carried in the Forge Limber Wagon.

CHEST, TOOL, FILLED, No. 6A.

(Cooper's, General Service, except for Royal Engineers.)

Articles.	No.
Woolwich Section, 7.	
Chests, tool, empty, No. 6	1
Adzes, coopers' { notching	1
{ rounding	1

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Chest, Tool, Filled, No. 6A (Cooper's, General Service)—*cont.*

Articles.	No.
Axes, coopers'	1
Borers, bung	1
Chisels, hand, cold, 1 inch by 8 inches	1
Chives, coopers' — 7¼-inch	1
Chives, coopers' — 6¾ „	1
Compasses, wing, 12-inch pairs	1
Drivers, coopers' — kneed	1
Drivers, coopers' — socket, iron	1
Files, saw, three-square, hand, 5½-inch	6
Froes (with handle)	1
Hammers — coopers', hand, 3½-lb.	1
Hammers — riveting, 8-oz.	1
Howels, barrel	1
Irons, bick upon wood	1
Jiggers	1
Jointers, F.S.	1
Knives — cramming	1
Knives — drawing, coopers'	1
Knives — notching	1
Pincers, carpenters' pairs	1
Punches, coopers' — large	1
Punches, coopers' — small	1
Rules, coopers'	1
Saws — compass	1
Saws — hand, 26-inch	1
Shaves, coopers' — inside cask	1
Shaves, coopers' — inside pail	1
Shaves, coopers' — outside cask	1
Shaves, coopers' — round	1
Stocks — coopers'	1
Stocks — crows barrel	1
Stocks — crows pail	1
Stones, oil, carpenters'	1
Vices, screw, iron	1
Woolwich Section, 26.	
Stones, rag	1

CHEST, TOOL, FILLED, No. 7.

(Farrier's and Shoeing Smith's, General Service, except Horse and Field Artillery.)

Articles.	No.
Woolwich Section, 7.	
Chests, tool, empty, No. 7	1
Bags, tool, farriers'	1

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Chest, Tool, Filled, No. 7 (Farrier's, &c., General Service)—*cont.*

Articles.	No.
Forge Tools.	
Chisels, farriers', handled	2
Cutters, anvil, nail	1
Cutters, half-round	2
Cresses, farriers' (set of 2)	1
Hammers, farriers' — sledge, 9½-lb.	1
Hammers, farriers' — turning	1
Fullers, farriers', handled	2
Pokers, smiths,	1
Pritchels, farriers'	4
Slices, farriers'	1
Stamps, farriers'	2
Stones, rag, farriers'	1
Tongs, farriers' — turning (3 sizes)	3
Tongs, farriers' — fire	1
Woolwich Section, 7.	
Shoeing Tools.	
Aprons, basil, white	2
Buffers, farriers'	2
Hammers, farriers' — pointing	1
Hammers, farriers' — shoeing	1
Knives — drawing, farriers'	6
Knives — searching	2
Pincers, farriers'	1
Rasps, farriers', 16-inch	6
Stakes, farriers'	1

CHEST, TOOL, FILLED, No. 11A.

(Smith's, General Service.)

Articles.	No.
Woolwich Section, 7.	
Chests, tool, empty, No. 11	1
Braces, smiths'	1
Braces, smiths', bits — countersink, rose	1
Braces, smiths', bits — rimer, half-round	1
Braces, smiths', bits — rimer, square	1
Callipers, 10-inch	1

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Chest, Tool, Filled, No. 11A (Smith's, General Service)—*cont.*

Articles.	No.
Chisels, hand, cold, 1 inch × 8 inches	2
Chisels, hand, cold, ¾ „ × 8 „	2
Chisels, smiths', cold	1
Chisels, smiths', hot	2
Compasses, wing, 10-inch	1 pair
Drivers, screw, G.S., 14-inch	1
Drivers, screw, G.S., 6 „	1
Files, bastard, flat, 14-inch	10
Files, bastard, flat, 10 „	6
Files, bastard, flat, 8 „	4
Files, bastard, half-round, 14 „	4
Files, bastard, half-round, 10 „	4
Files, bastard, round, 12 „	4
Files, bastard, round, 8 „	2
Files, bastard, rubbers, ½ thick, 16-inch	3
Files, bastard, square, 10-inch	2
Files, bastard, square, 8 „	2
Files, bastard, three-square, 12 „	1
Files, bastard, three-square, 7 „	1
Files, bastard, warding, 5-inch	2
Files, bastard, „ cut on one side, 3½-inch	2
Hammers, riveting, 24-oz.	1
Hammers, smiths', hand, 3-lb.	1
Hammers, smiths', setting	1
Hammers, smiths', sledge, 10-lb.	1
Hammers, smiths', uphand, 7-lb.	1
Handles, file, large	2
Handles, file, small	4
Holdalls, smiths'	1
Pincers, carpenters'	1 pair
Plates, screw, 10 taps, 20 hole	1
Punches, smiths', cold	2
Punches, smiths', hot, ⅛-inch	1
Punches, smiths', hot, ¼ „	1
Punches, smiths', hot, ⅜ „	1
Rules, carpenters', common	1
Saws, cutting metal, 10-inch	1
Saws, cutting metal, blades, 10-inch (spare)	1
Spanners, McMahon, 15-inch	1
Squares, smiths', iron	1
Stones, oil, smiths'	1
Tongs, smiths', bolt	1 pair
Tongs, smiths', forebit	1 „
Tongs, smiths', forge, large	1 „
Tongs, smiths', hammer	1 „
Tongs, smiths', hollow bit	1 „
Tongs, smiths', plier	1 „
Tools, bow, drilling, bows, smiths'	1
Tools, bow, drilling, boxes	2
Tools, bow, drilling, breast-plates, smiths'	1

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Chest, Tool, Filled, No. 11A (Smith's, General Service)—*cont.*

Articles.	No.
Tools, bow, drilling { drills .... sets	1
stocks	1
strings, smiths' .... knots	6
Vices, hand, 16-oz.	1
The undermentioned are not carried in the Chest, and will be separately demanded, charged, and accounted for:—	
Woolwich Section, 7.	
Chests, stocks and dies, Whitworth thread, 1⅛-inch to ¼-inch, filled	1
Vices, standing, 36 lbs.	1

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CHEST, TOOL, FILLED, No. 11E.

(Carriage Smith's, R.A., Garrison.)

Articles.	No.
Woolwich Section, 7.	
Chest, tool, empty, No. 11	1
Aprons, basil, brown....	2
Brace, smiths'....	1
Braces { smiths' bits { countersink, rose	1
rimer { half-round	1
square	1
ratchet { 18-inch	1
drills, No. 1 to 11 .... sets	1
Callipers, 10-inch .... pairs	1
Chisels { hand, cold { 1 inch × 8 inches....	2
¾ inch × 8 inches....	2
rivet-head	1
smiths' { cold	1
hot	2
Compasses, wing, 10-inch .... pairs	1
Cutter, anvil, flat, smiths', 2-inch	1
Drivers, screw, G.S. { 14-inch	1
6 „	1
Files, bastard, flat { 14-inch	10
10 „	6
8 „	4

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Chest, Tool, Filled, No. 11E (Carriage Smith's, &c.)—*cont.*

Articles.	No.
Files, bastard — half-round — 14-inch	4
Files, bastard — half-round — 10 „	4
Files, bastard — round — 12-inch	4
Files, bastard — round — 8 „	2
Files, bastard — rubbers, ½-inch thick, 16-inch	3
Files, bastard — three-square — 12-inch	1
Files, bastard — three-square — 7 „	1
Files, bastard — square — 10 „	2
Files, bastard — square — 8 „	2
Files, bastard — warding — 5-inch	2
Files, bastard — warding — cut on one side, 3½-inch	2
Flatters, smiths'	1
Fullers — bottom	1
Fullers — top	1
Hammers — fitters' — 24-oz.	1
Hammers — fitters' — 32 „	1
Hammers — smiths' — hand, 3-lb.	1
Hammers — smiths' — setting	1
Hammers — smiths' — sledge, 10-lb.	1
Hammers — smiths' — uphand, 7-lb.	1
Handles, file — large	2
Handles, file — small	4
Handles, file — swan-neck	1
Holdalls, smiths'	1
Pincers, carpenters'	1 pairs
Plate, screw, 10 taps, 20-hole	1
Pliers, side-cutting, 7-inch	1 pairs
Punches — centre, 4½-inch	1
Punches — smiths' — cold	2
Punches — smiths' — hot — ⅝-inch	1
Punches — smiths' — hot — ½ „	1
Punches — smiths' — hot — ⅜ „	1
Rods, smiths', iron	4
Rule, carpenters', common	1
Saws, cutting metal — 10 inch	1
Saws, cutting metal — blades, 10-inch	1
Snaps — hand, riveting — $\frac{7}{16}$-inch	1
Snaps — hand, riveting — $\frac{5}{16}$ „	1
Snaps — hand, riveting — $\frac{3}{16}$ „	2
Snaps — hand, riveting — ¼ „	2
Snaps — riveting, rod — 1⅝ „	1
Snaps — riveting, rod — 1½ „	1
Snaps — riveting, rod — 1⅜ „	2
Snaps — riveting, rod — 1⅛ „	2
Snaps — riveting, rod — 1 „	2
Snaps — riveting, rod — ⅞ „	2
Snaps — riveting, rod — ¾ „	2
Snaps — riveting, rod — ⅝ „	2
Snaps — riveting, rod — ½ „	2

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Chest, Tool, Filled, No. 11E (Carriage Smith's, &c.)—*cont.*

Articles.	No.
Spanner, McMahon's, 15-inch	1
Square, smiths', iron....	1
Stocks, drill, bevel, wheel	1
bits .... sets	1
Stone, oil, smiths'	1
Tongs, smiths' — bolt .... pairs	1
fore bit .... „	1
forge, large .... „	1
hammers .... „	1
hollow bit .... „	1
plier .... „	1
Traveller	1
Vice, hand, 16-oz.	1
Woolwich Section, 18.	
Cloths, sponge	4
Miscellaneous.	
Handbook, military artificers'	1
The undermentioned are not carried in the Chest, and will be separately demanded, charged, and accounted for :—	
Woolwich Section, 7.	
Chest, stocks and dies, Whitworth thread, 1⅛-inch to ¼-inch, filled	1
DETAIL OF STOCKS AND DIES.	
Chests, stocks and dies, Whitworth thread — dies .... 1⅛-inch .... sets	1
1 „ .... „	1
⅞ „ .... „	1
¾ „ .... „	1
⅝ „ .... „	1
½ „ .... „	1
7/16 „ .... „	1
⅜ „ .... „	1
5/16 „ .... „	1
¼-inch .... „	1
fine thread — ⅞-inch „	1
⅝ „ „	1
9/16 „ „	1

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Chest, Tool, Filled, No. 11E (Carriage Smith's, &c.)—*cont.*

Articles.						No.
Chests, stocks and dies, Whitworth thread	spanners	$\frac{7}{8}$-inch	....	....	....	1
		$\frac{5}{8}$ „	....	....	....	1
	stocks	C	....	....	....	1
		D	....	....	....	1
	taps	$1\frac{1}{8}$-inch	plug	....	....	1
			1st turn	....	....	1
			2nd turn	....	....	1
		1 „	plug	....	....	1
			1st turn	....	....	1
			2nd turn	....	....	1
		$\frac{7}{8}$ „	plug	....	....	1
			1st turn	....	....	1
			2nd turn	....	....	1
		$\frac{3}{4}$ „	plug	....	....	1
			1st turn	....	....	1
			2nd turn	....	....	1
		$\frac{5}{8}$ „	plug	....	....	1
			1st turn	....	....	1
			2nd turn	....	....	1
		$\frac{1}{2}$ „	plug	....	....	1
			1st turn	....	....	1
			2nd turn	....	....	1
		$\frac{7}{16}$ „	plug	....	....	1
			1st turn	....	....	1
			2nd turn	....	....	1
		$\frac{3}{8}$ „	plug	....	....	1
			1st turn	....	....	1
			2nd turn	....	....	1
		$\frac{5}{16}$ „	plug	....	....	1
			1st turn	....	....	1
			2nd turn	....	....	1
		$\frac{1}{4}$ „	plug	....	....	1
			1st turn	....	....	1
			2nd turn	....	....	1
		fine thread	$\frac{7}{8}$-inch plug		....	1
			$\frac{5}{8}$ „ „		....	1
			$\frac{9}{16}$ „ „		....	1
	wrenches	I	....	....	....	1
		H	....	....	....	1
		F	....	....	....	1
		D	....	....	....	1
Vice, standing, 80-lb., with iron bench*			....	....	....	1

* An engineer supply.

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CHEST, TOOL, FILLED, No. 12A.

(Whitesmith's or Tinman's, General Service, except for Royal Engineers.)

Articles.	No.
Woolwich Section, 7.	
Chests, tool, empty, No. 12	1
Awls, scoring	1
Bellows, tinman's	1
Chisels, tinman's 1-inch	1
Chisels, tinman's ½ "	1
Compasses, common, 7-inch	1 pairs
Files, bastard, flat, 12-inch	2
Groovers	1
Hammers, tinman's creasing, 10-oz.	1
Hammers, tinman's hollowing	1
Hammers, tinman's riveting, 16-oz.	1
Hooks, shave, 1½-inch	1
Irons creasing, 11-lbs.	1
Irons soldering, tinman's	2
Knives, laboratory	1
Mallets, tinman's	1
Pots, fire, tinman's	1
Rasps, fine, half-round, 12-inch	1
Shears, tinman's scotch	1
Shears, tinman's stock	1
Squares, smiths', iron	1

CHEST, TOOL, FILLED, No. 13A.

(Painter's, General Service, except for Royal Engineers.)

Articles.	No.
Woolwich Section, 7.	
Chests, tool, empty, No. 13	1
Brushes, sable, writing.... crow, large	1
Brushes, sable, writing.... duck, large	1
Brushes, sable, writing.... goose large	1
Brushes, sable, writing.... goose small	1
Cans, paint 7½ inches diameter	1
Cans, paint 7 " "	1

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Chest, Tool, Filled, No. 13A (Painter's, &c.)—*continued.*

Articles.	No.
Knives .... palette, 9-inch	1
Knives .... stopping	1
Pots, writing	1
Woolwich Section, 25.	
Brushes, paint — ground, 000	2
Brushes, paint — unground, 000	2
Brushes, paint — sash tool — No. 2	2
Brushes, paint — sash tool — „ 4	2
Brushes, paint — sash tool — „ 6	2

CHEST, TOOL, FILLED, No. 3c.

(Wheeler's and Saddletreemaker's, General Service, except for Royal Engineers and Field Artillery.)

Articles.	No.
Woolwich Section, 7.	
Chests, tool, empty, No. 3	1
Adzes, carpenters' — heads	1
Adzes, carpenters' — handles	1
Augers — shell — 1½-inch	1
Augers — shell — 1¼ „	1
Augers — shell — 1⅛ „	1
Augers — shell — 1 „	1
Augers — shell — ⅞ „	1
Augers — shell — ¾ „	1
Augers — shell — ⅝ „	1
Augers — shell — ½ „	1
Augers — handles — 18-inch	1
Augers — handles — 16 „	1
Augers — handles — 13½ „	1
Augers — handles — 12 „	1
Awls — blades, brad	24
Awls — handles, brad — large	3
Awls — handles, brad — small	3
Axes, wheelers', 7-lbs.	1
Bags, tool, carpenters'	1
Bars, crow, 2 feet 3 inches	1
Bevels, steel blade, 12-inch	1

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Chest, Tool, Filled, No. 3c (Wheeler's, &c.)—*continued.*

Articles.	No.
Braces, carpenters', with 24 bits*	1
Buzzes { ¾-inch	1
⅝ ,, ...	1
Chisels { boxing .... { large	1
small	1
firmer .... { ⅜-inch	1
¼ ,, ...	1
⅛ ,, ...	1
firmer, coachmakers' { 1¾-inch	1
1⅝ ,, ...	1
1½ ,, ...	1
1⅜ ,, ...	1
1¼ ,, ...	1
1⅛ ,, ...	1
1 ,, ...	1
⅞ ,, ...	1
¾ ,, ...	1
⅝ ,, ...	1
½ ,, ...	1
⅜ ,, ...	1
¼ ,, ...	1
hand, cold .... { 1 inch × 8 inches	1
¾ inch × 8 inches	1
mortice, ¼-inch	1
Compasses { common, 7-inch .... pairs	1
wing, 10 ,, ... ,,	1
Drivers, screw, G.S. { 14-inch	1
6 ,, ...	1
Files { bastard { half-round, 14-inch	2
round, 14 ,, ...	1
saw, three-square { hand, 5½-inch	18
tenon, 4 ,, ...	6
Gauges { carpenters' { marking	1
mortice	1
saddletreemakers' .... sets	1
Gimlets { common { No. 1	2
,, 2	2
,, 3	1
,, 4	1
,, 5	1
,, 6	1
spike { ⅜-inch	2
¼ ,, ...	2

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* Detail of bits :—

Braces, carpenters', bits	centre, ⅛, 1, 7/8, ¾, ⅝, ½, and ⅜-inch	7
	countersink { flat...	1
	rose	1
	dowling sash	1
	gouge, 7/16, ⅜, 5/16, ¼, 1/16, and ½-inch	6
	nose, ⅜, 1/16, ¼, 3/16, and ½-inch	5
	rimer, square	1
	screwdriver...	1
	taper...	1

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Chest, Tool, Filled, No. 3c (Wheeler's, &c.)—*continued.*

Articles.		No.
Gouges	boxing 2-inch	1
	boxing 1¾ ,,	1
	firmer 1⅛ ,,	1
	firmer ½ ,,	1
	firmer ⅜ ,,	1
	pecking, 1-inch	1
Hammers	riveting 24-oz.	1
	riveting 16 ,,	1
	riveting saddleseat	1
	smiths', sledge, 10-lbs.	1
	wheelers', shoeing	1
Knives, drawing, carpenters'		1
Lines, carpenters'		1
Mallets, carpenters'		1
Pencils, carpenters'		12
Pincers, carpenters'	pairs	1
Pins, drawbore	16-inch	1
Pins, drawbore	12 ,,	2
Planes	bead	1
Planes	jack, double iron	1
Planes	plough	1
Planes	rabbet, skew	1
Planes	smoothing, G.S.	1
Planes	trying	1
Pots, glue, 1-pint		1
Punches, carpenters'	large	1
Punches, carpenters'	small	1
Rasps, coarse, half-round, 12-inch		1
Reels, carpenters' line		1
Rules, carpenters', common		1
Saws	compass	1
Saws	dovetail, brass back	1
Saws	frame, 15-inch	1
Saws	hand, 26-inch	1
Saws	tenon, 19-inch	1
Screws, thumb		1
Sets, saw	hand	1
Sets, saw	pit	1
Shaves, spoke	4-inch	2
Shaves, spoke	3¼ ,,	2
Spanners, McMahon, 15-inch		1
Squares	smiths', iron	1
Squares	carpenters' 9-inch	1
Squares	carpenters' 4 ,,	1
Stones, oil, carpenters'		1
Vices	bench, saddletreemakers'	1
Vices	hand, 16-oz.	1
Woolwich Section, 11.		
Chalk, white (for line, carpenters)	lb.	¼

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Chest, Tool, Filled, No. 3c (Wheeler's, &c.)—*continued.*

Articles.	No.
Woolwich Section, 25.	
Brushes, paint, sash tool, No. 6 (for glue)	1
Woolwich Section, 26.	
Stones, rag	1
The undermentioned are not carried in the Chest, and will be separately demanded, charged, and accounted for:—	
Woolwich Section, 7.	
Sampsons*	1

* "Sampsons" are only issued when specially demanded.

TOOLS FOR MILITARY WORKSHOPS.

(*Referred to in paragraph* 245.)

CHEST, TOOL, FILLED, No. 1B.

(Bricklayer's and Mason's, Regimental.)

Packed in Two No. 1 *Chests, and forming One Set.*

Articles.	No.
Woolwich Section, 2.	
Shovels, universal	2
Woolwich Section, 7.	
Chests, tool, empty, No. 1	2
(BRICKLAYER'S TOOLS.)	
Axes, brick	2
Bars, crow, 3 feet 6 inches	1
Bevels, brass blade	2
Chisels { brick { 24-inch	2
brick { 18 ,, ...	2
brick { 12 ,, ...	2
masons', 2¼-inch	2
Hammers, brick	3

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Chest, Tool, Filled, No. 1B (Bricklayer's and Mason's)—*cont.*

Articles.	No.
Lines, bricklayers'	2
Pins, line	2 pairs
Rules { carpenters', common	2
Rules { masons', plumb	2
Trowels { bricklayers', pointing { cross joint	1
Trowels { bricklayers', pointing { tuck	1
Trowels { plasterers', set	2
(MASON'S TOOLS.)	
Woolwich Section, 7.	
Bars, setting	2
Bevels, wood blade, 12-inch	1
Chisels, masons' { 2½-inch	2
Chisels, masons' { 2 "	3
Chisels, masons' { 1½ "	2
Chisels, masons' { 1¼ "	2
Chisels, masons' { ribbing	1
Hammers, masons' { double pick { 8-lbs.	1
Hammers, masons' { double pick { 4 "	1
Hammers, masons' { mash	1
Hammers, masons' { spalling, 4-lbs.	1
Lines, bricklayers'	1
Mallets, masons'	1
Pins, line	1 pairs
Points, masons'	6
Rules { carpenters', common	1
Rules { masons', plumb	1
Trowels, masons'	2
The undermentioned are not carried in the Chest, and will be separately demanded, charged, and accounted for: —	
(BRICKLAYER'S TOOLS.)	
Woolwich Section, 7.	
Hods, mortar	2
Levels, wood, 5 feet	2
Sieves, masons'	1
Squares, masons'	2
(MASON'S TOOLS.)	
Levels, wood, 10 feet	1
Squares, masons'	1

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CHEST, TOOL, FILLED, No. 3B.
(Carpenter's, Regimental.)

Packed in Three No. 3 Chests, and forming One Set.

Articles.	No.
Woolwich Section, 7.	
Chests, tool, empty, No. 3	3
Adzes, carpenters' — heads	2
Adzes, carpenters' — handles	2
Augers — shell — $1\frac{1}{2}$-inch	1
Augers — shell — $1\frac{1}{4}$ "	1
Augers — shell — $\frac{7}{8}$ "	1
Augers — shell — $\frac{3}{4}$ "	1
Augers — shell — $\frac{5}{8}$ "	1
Augers — shell — $\frac{1}{2}$ "	1
Augers — handles — 18 "	1
Augers — handles — 16 "	1
Augers — handles — $13\frac{1}{2}$ "	1
Augers — handles — 12 "	1
Awls — blades, brad	12
Awls — handles, brad — large	6
Awls — handles, brad — small	6
Axes — carpenters', $6\frac{1}{2}$-lbs.	3
Axes — hand, 3-lbs.	3
Bags, tool, carpenters'	3
Bevels, steel blade, 12-inch	3
Braces, carpenters', with 24 bits*	2
Chisels — firmer — $1\frac{1}{2}$-inch	2
Chisels — firmer — $1\frac{1}{8}$ "	2
Chisels — firmer — $1\frac{1}{4}$ "	2
Chisels — firmer — 1 "	2
Chisels — firmer — $\frac{3}{4}$ "	2
Chisels — firmer — $\frac{1}{2}$ "	2
Chisels — firmer — $\frac{3}{8}$ "	2
Chisels — firmer — $\frac{1}{4}$ "	2
Chisels — hand, cold — $\frac{3}{4}$ " × 8 inches	3
Chisels — hand, cold — 1 " × 8 "	3
Chisels — mortice — $\frac{1}{2}$ "	3
Chisels — mortice — $\frac{3}{8}$ "	3
Chisels — mortice — $\frac{1}{4}$ "	3

* Detail of bits:—

Braces, carpenters', bits	centre, $1\frac{1}{8}$, 1, $\frac{7}{8}$, $\frac{3}{4}$, $\frac{5}{8}$, $\frac{1}{2}$, and $\frac{3}{8}$-inch	7
	countersink — flat	1
	countersink — rose	1
	dowling sash	1
	gouge, $\frac{1}{10}$, $\frac{3}{8}$, $\frac{1}{16}$, $\frac{1}{4}$, $\frac{3}{16}$, and $\frac{1}{8}$-inch	6
	nose, $\frac{1}{8}$, $\frac{7}{16}$, $\frac{1}{4}$, $\frac{3}{16}$, and $\frac{1}{8}$-inch	5
	rimer, square	1
	screwdriver	1
	taper	1
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Chest, Tool, Filled, No. 3B (Carpenter's, Regimental)—*continued.*

Articles.	No.
Chisels, socket { 1½-inch	2
1 „	2
¾ „	2
Compasses, common, 7-inch	3
Drivers, screw, G.S. { 14-inch	2
6 „	3
Files { bastard { flat, 14-inch	3
half-round { 14-inch	3
10 „	3
round, 14-inch	3
saw, three-square { hand, 5½-inch	3
tenon, 4 „	3
Gauges, carpenters' { cutting	1
marking	2
mortice	3
Gimlets { common { No. 1	1
„ 2	1
„ 3	1
„ 4	1
„ 5	1
„ 6	1
spike { ⅜-inch	6
¼ „	6
Gouges { firmer { 1-inch	3
¾ „	3
½ „	3
pecking, 1-inch	2
Hammers { claw { 28-oz.	2
20 „	1
riveting { 24-oz.	1
8 „	2
Lines, carpenters'	3
Mallets, carpenters'	3
Pencils, carpenters'	9
Pincers, carpenters' pairs	3
Planes { bead	2
hollows and rounds pairs	2
jack, double iron	3
phillister, sash	2
plough	1
smoothing, G.S.	3
trying	2
Pliers { flat nose pairs	2
side cutting, 7-inch „	1
Pots, glue, 1-quart	1
Punches, carpenters' { large	3
small	3
Rasps, coarse { flat, 12-inch	2
half-round, 12-inch	1

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Chest, Tool, Filled, No. 3B (Carpenter's, Regimental)—*continued*

Articles.	No.
Reels, carpenters' line	3
Rules, carpenters', common	3
Saws { dovetail, brass back	2
Saws { frame, 15-inch	3
Saws { hand, 26-inch	3
Saws { keyhole	3
Saws { tenon, 14-inch	3
Sets, saw, hand	3
Shaves, spoke { 4-inch	2
Shaves, spoke { 3¼-inch	2
Spanners, McMahon, 15-inch	2
Squares, carpenters' { 12-inch	3
Squares, carpenters' { 9 „	3
Stones, oil, carpenters'	3
Woolwich Section, 11.	
Chalk, white .... lb.	¾
Woolwich Section, 25.	
Brushes, paint, sash tool, No. 6	2
The undermentioned is not carried in the Chest, and will be separately demanded, charged, and accounted for :—	
Woolwich Section, 7.	
Grindstone, F. S., 18-inch	1

CHEST, TOOL, FILLED, No. 6B.

(Cooper's, Regimental.)

Articles.	No.
Woolwich Section, 7.	
Chests, tool, empty, No. 6	1
Adzes, coopers', notching	1
Chisels, hand, cold, 1-inch × 8 inches	1
Compasses, wing, 12-inch .... pairs	1
Drivers, coopers', kneed	1
Froes (with handle)	1
Hammers { coopers', hand, 3½-lbs.	1
Hammers { riveting, 8-oz.	1
Howels, barrel	1
Jointers, F. S.	1

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Chest, Tool, Filled, No. 6B (Cooper's, Regimental)—*continued.*

Articles.	No.
Knives { drawing, coopers	1
Knives { hollowing	1
Pincers, carpenters'	1 pair
Planes, jack, double iron	1
Punches, coopers', large	1
Rules, coopers'	1
Saws, hand, 26-inch	1
Shaves, coopers', inside, cask	1
Stocks, coopers'	1
Stones, oil, carpenters'	1

CHEST, TOOL, FILLED, No. 12D.

(Plumber's, Painter's, and Glazier's, Regimental.)

Articles.	No.
Woolwich Section, 7.	
Chests, tool, empty, No. 12	1
Bosses, plumbers' { 5-inch	1
Bosses, plumbers' { 3 ,,	1
Bosses, plumbers' { 1½ ,,	1
Cans, paint { 7½ inches diameter	1
Cans, paint { 7 ,,	1
Chisels, smiths', cold	1
Compasses, wing, 10-inch	1 pair
Diamonds, glaziers'	1
Dressers, plumbers'	1
Hammers { glaziers'	1
Hammers { plumbers', 3-lbs.	1
Hooks, shave, 1½-inch	1
Irons, soldering, plumbers' { 4-lbs.	1
Irons, soldering, plumbers' { 1¾ ,,	1
Knives, { cutting	1
Knives, { hacking	1
Knives, { palette, 9-inch	1
Knives, { stopping	1
Ladles, melting, 1-pint	1
Mallets, plumbers'	1
Pipes, blow, 12-inch	1
Pliers { gas	1 pair
Pliers { round-nose	1 ,,

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Chest, Tool, Filled, No. 12D (Plumber's, Painter's, &c.)—*cont.*

Articles.	No.
Pots, melting	1
Rules, glaziers' 2-ft.	1
Rules, glaziers' T, 2-ft. 6-in.	1
Squares, smiths', iron	1
Tongs, gas fitters' 2-inch pairs	1
Tongs, gas fitters' 1½ "	1
Tongs, gas fitters' 1 "	1
Tongs, gas fitters' ¾ "	1
Tongs, gas fitters' ½ "	1
Woolwich Section, 11.	
Bottles, tin, oil, with screw top, 2 quarts	3
Woolwich Section, 25	
Brushes, paint ground, 000	3
Brushes, paint sash tool No. 2	1
Brushes, paint sash tool " 4	1
Brushes, paint sash tool " 6	1

CHEST, TOOL, FILLED, No. 11D.
(Smith's, Regimental.)

Articles.	No.
Woolwich Section, 7.	
Chests, tool, empty, No. 11	1
Bags, tool, farriers'	1
Aprons, basil, brown	2
	1
Braces, smiths' bits countersink flat	1
Braces, smiths' bits countersink rose	1
Braces, smiths' bits rimer half-round	1
Braces, smiths' bits rimer square	1
Callipers, 10-inch pairs	1
Chisels farriers', handled	2
Chisels smiths', cold	4
Compasses, wing, 10-inch pairs	1
Drivers, screw, G.S. 14-inch	1
Drivers, screw, G.S. 6 "	1
Files, bastard flat 14-inch	1
Files, bastard flat 10 "	1
Files, bastard flat 8 "	1
Files, bastard half-round 14 "	1
Files, bastard half-round 10 "	1

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Chest, Tool, Filled, No. 11D (Smith's, Regimental)--*continued.*

Articles.	No.
Files, bastard — round — 12-inch	1
Files, bastard — round — 8 ,,	1
Files, bastard — rubbers, ½-thick, 16-inch	1
Files, bastard — square — 10-inch	1
Files, bastard — square — 8 ,,	1
Files, bastard — three-square — 12 ,,	1
Files, bastard — three-square — 7 ,,	1
Files, bastard — warding — 5 ,,	2
Files, bastard — warding — cut on one side, 3½-inch	2
Hammers — farriers' — pointing	1
Hammers — farriers' — shoeing	1
Hammers — farriers' — sledge, 9½-lbs.	2
Hammers — smiths', hand, 3-lbs.	2
Handles, file. middling	16
Knives — drawing, farriers'	1
Knives — searching ,,	1
Pincers, farriers'	1 pairs
Pliers, flat nose	1 ,,
Pokers, smiths'	1
Punches, smiths' — cold	3
Punches, smiths' — hot — ⅝-inch	1
Punches, smiths' — hot — ½ ,,	1
Punches, smiths' — hot — ⅜ ,,	1
Rasps, farriers', 16-inch	1
Saws, cutting metal, 10-inch	1
Slices, farriers'	1
Spanners, McMahon, 15-inch	1
Stakes, farriers'	2
Stamps, farriers'	1
Tongs — farriers', turning, small	1
Tongs — smiths', forge — large	1
Tongs — smiths', forge — small	1
Tools, bow, drilling — bows, smiths'	1
Tools, bow, drilling — boxes	1
Tools, bow, drilling — breast-plates, smiths'	1
Tools, bow, drilling — drills	2 sets
Tools, bow, drilling — stocks	1
Tools, bow, drilling — strings, smiths'	1 knots
Vices, hand, 16-oz.	1

N.B.—Anvils, bellows, and standing vices, being fixtures, are a part of the building.

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CHEST, TOOL, FILLED, No. 12c.
(Whitesmith's or Tinman's, Regimental.)

Articles.	No.
Woolwich Section, 7.	
Chests, tool, empty, No. 12	1
Awls, scoring	1
Chisels, tinman's 1-inch	1
Chisels, tinman's ¼ „	1
Compasses, common, 7-inch	1 pairs
Files, bastard, flat, 12-inch	2
Groovers	1
Hammers, tinman's creasing, 10-oz.	1
Hammers, tinman's riveting, 16-oz.	1
Hooks, shave, 1½-inch	1
Irons creasing, 11-lbs.	1
Irons soldering, tinman's	2
Knives, laboratory	1
Mallets, tinman's	1
Pots, fire, tinman's	1
Rasps, fine, half-round, 12-inch	1
Shears, tinman's, stock	1
Squares, smith's, iron	1

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APPENDIX VI.

(*Referred to in paragraph* 218.)

CAMP EQUIPMENT.

Proportions for all Services. Standing Camps.

TABLE 1.	Proportion.
Woolwich Section, 2.	
Axes { felling, curved helve; hand ....; pick { heads, 6½ lbs.; helves, 34½ ins. }	10 per regiment of cavalry and battalion of infantry, 4 per staff or other unit.
Bags, letter, field	1 per office of staff units.
Bars, crow	4 per regiment of cavalry and battalion of infantry, 1 per staff or other unit.
Barrows, wheel, intrenching	8 per regiment of cavalry, 3 per other mounted unit.
Boxes, stationery, field	1 per office (for staff units only).
Brooms, birch	12 per regiment of cavalry, or battalion of infantry, 6 per staff or other unit.
Buckets*	1 per 4 horses or less, and 1 per tent (except office tents).
Chairs, camp	1 per G.O.C.
Cords, forage	1 per 8 mounted N.C.O. and men or less.
Covers, saddle	1 per set of saddlery or single set of harness, 2 per double set of harness.
Flags, distinguishing	As required.
Hooks, bill	20 per battalion of infantry, 10 per regiment of cavalry, 4 per other unit.
Kettles, camp, oval	1 per 8 N.C.O. and men.
Lamps, candle	1 per office tent (staff units only).
Lanterns, tent { folding	20 per regiment of cavalry, 4 per battalion of infantry, 2 per staff, 2 per other mounted unit, and 1 per other dismounted unit.
Lanterns, tent { distinguishing	As required.
Mallets, heel peg	1 per 3 officers' horses, 1 per 8 other horses.
Mauls, common, helved	4 per squadron of cavalry or other mounted unit, 1 per battalion of infantry.
Nets, hay	1 per horse, if specially required.

* Pails, iron, galvanised, 3 or 4 gallons, may be issued in lieu.

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Camp Equipment—*continued.*

	Table 1—*continued.*	Proportion.
57 Colchester 4735	**Ovens,** Aldershot pattern....	2 per regiment of cavalry, or battalion of infantry, and 1 per other unit. (To be issued only where the same troops are under canvas for a consecutive period of more than 28 days.)
	Pads, surcingle	1 per surcingle.
	Pegs, picketing	1 per horse, plus 15 per cent. spare.
	Posts, picket, 2½ feet	6 per 80 ft. picketing rope.
57 Gen. No. 9412	**Ropes** { head, cotton	1 per horse.
	heel, Mark IV.	85 per cent. of the number of horses, and 5 per cent. spare.
	heel, double shackle*	15 per cent. of the number of horses.
A.O. 57 1898	picketing, 80 ft.	1 per 10 horses.
	Racks, arm, tent	1 per N.C.O. and men's tent, except that horse, field, and mountain batteries, R.A., will draw 1 per sub-division and 1 per guard tent only.
Para. 8984 L. of C.	**Rugs,** horse { large	1 per public service horse of household and heavy cavalry, R.E., R.A., A.S. Corps, and Military Mounted Police; and for other units in the proportion of 10 per cent. number of horses.
	small	For 90 per cent. of public service horses of units not in possession of full proportion of large rugs.
	Screens, latrine†	4 per regiment of cavalry, 6 per battalion of infantry, 2 or 3 per staff or other unit as considered necessary.
	Sheets, ground, waterproof‡	8 per tent, or 1 for each man in tents occupied by a less number than 8.
	Shovels	10 of each per regiment of cavalry or battalion of infantry, 5 per other mounted unit, 3 per other dismounted unit.
	Spades, N.P.	
	Stools, camp	1 per office tent (staff units only).
A.O. 44 1898	**Stoves,** Soyer's	4 per regiment of cavalry or battalion of infantry and 1 per other unit. *To be issued only when coal is the fuel used.*
	Surcingles, web§	1 per public service horse.
	Tables, camp	1 per general officer.

* When the store of these is exhausted, "ropes, heel, Mark IV" will be issued in the proportion of 1 per horse and 20 per cent. additional.

† 1 extra service may be issued for bathing places if considered desirable.

‡ When tent bottoms are not supplied.

§ Not issued with the Mark II horse blanket.

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Camp Equipment—*continued.*

Table 1—*continued.*	Proportion.
Tents circular, double, linen	1 per general officer.
Tents complete, circular, single, linen	1 per field officer, 1 per 2 other officers, 1 per 12 N.C.O. and men, dismounted, 1 per 10 N.C.O. and men, mounted units, 30 miscellaneous per regiment, and 1 per two squadrons for squadron serjeant-major and squadron quartermaster-serjeant for cavalry, 12 miscellaneous for other mounted units, 16 miscellaneous per battalion of infantry, and 5 for other dismounted units. For staff, 1 per officer, 1 per two servants, 1 per staff office, and 3 miscellaneous.
Tents marquee, hospital....	1 for officers' mess, 1 serjeants' mess, and 1 recreation room per regiment of cavalry or battalion of infantry (when more than 24 officers are present, 2 marquees will be allowed for officers' mess), 1 per staff unit, 3 per 2 other units.
Tubs, washing, 3½ gals.	1 per staff serjeants tent and 2 per tent for other N.C.O. and men.
Wedges, sawyers*	6 per regiment of cavalry or battalion of infantry, 4 per staff or other unit.
Woolwich Section, 3.	
Stretchers, regimental	1 per unit (except staff).
Woolwich Section, 4.	
Carts ammunition, small arm	1 per regiment of cavalry or battalion of infantry if required.
Carts water	As required—unless water is laid on to the cooking places on the camp ground when 1 per regiment of cavalry, 2 per battalion of infantry, 1 per staff or other unit only will be supplied.

* Supplied only when wood that requires splitting is issued.

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Camp Equipment—*continued.*

Table 1—*continued.*	Proportion.
Woolwich Section, 7.	
Hammers, sledge, smith's, 14 lbs.*	6 per regiment of cavalry or battalion of infantry, 2 per staff, 4 per other unit.
Woolwich Section, 25.	
Chairs, officers'	3 per unit (except staff) for orderly rooms and quartermaster's stores.
Woolwich Section, 26.	
Butchery implements	1 set per staff or other unit (*see* Table 3).
Scales, weighing, beam, iron, with triangles, and sets of weights, 5 cwt.	1 per camp.
Stones, rag, or rub	6 per regiment of cavalry or battalion of infantry, 2 per staff or other unit.
A.C. 44 1898 **Tables**, soldiers { 4 feet....	1 for each staff office.
{ 6 „	3 per unit (except staff) for orderly room and quartermaster's stores.
Woolwich Section, 27.	
Blankets, G.S.	2 per W.O., N.C.O. and man.
Forges, packsaddle†	2 per regiment of cavalry and 1 per other mounted unit unprovided with forge in peace equipment.

N.B.—Mounted infantry battalions draw on the same scale as regiments of cavalry.

* Supplied only when wood that requires splitting is issued.

† If, in the opinion of the Officer Commanding the forge work of the unit is too heavy to be satisfactorily carried out with packsaddle forges, a forge cart or forge wagon (as may be available) will be issued in lieu.

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SCALE FOR MANŒUVRES.

(Issues will be made as for Standing Camps, except in the case of the undermentioned articles)

TABLE 2.

	Proportion.	
Woolwich Section, 2.		
Buckets*	1 per N.C.O. and men's tent.	
Cords, forage	Not to be issued.	
Mauls, common, helved	Not to be issued.	
Pegs, picketing	2 per horse.	
Ropes, picketing { 80 ft.	Not to be issued.	A.O. 57 1898
{ 4 ft. 9 in.	1 per horse.	
Screens, latrine	5 per battalion of infantry, 3 per regiment of cavalry, 2 per other mounted or dismounted unit.	
Tables, camp	1 for each staff office.	A.O. 44 1898
Tents, complete, circular, single, linen	1 per 12 N.C.O. and men in dismounted, and 1 per 10 N.C.O. and men in mounted branches, 1 for commanding officer and each field officer, 1 per 2 company officers, and 8 per headquarters of infantry battalion or cavalry regiment; units of R.A., R.E., and A.S.C. to be provided for in similar proportions.	
Tents, complete, marquee, hospital	2 per battalion of infantry or regiment of cavalry, for mess and store tent purposes, 1 for 2 or more batteries R.A., companies R.E., or A.S. Corps.	
Tubs, camp, washing	1 per N.C.O. and men's tent.	
Hooks, bill	10 per regiment of cavalry or battalion of infantry, 4 per staff or other unit.	
Wedges, iron, sawyers'*	2 per regiment of cavalry, battalion of infantry, or other unit.	
Chairs, officers'	Not to be issued.	
Tables, soldiers'		
Woolwich Section, 7.		
Hammers, sledge, smith's,† 14 lbs.	1 per battalion of infantry, regiment of cavalry, or other unit.	

* Pails, iron, galvanised, may be issued in lieu.
† Supplied only when wood that requires splitting is issued.

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BUTCHERY IMPLEMENTS.

TABLE 3.	No. per Set.	General Proportions.
Woolwich Section, 26.		
Balances, spring, 4 lbs.	1	1 set per staff, and 1 set per mounted and dismounted unit.
Cases, butchery implements	1	
Sheets, ground, unserviceable*	1	
Saws, tenon, 14-in.	1	
Choppers, meat	1	
Hooks, butchers', 9-in.	6	
Knives, butchers' { cutting	1	
Knives, butchers' { flaying, large	1	
Steels, butchers'	1	
Steelyards, 56 lbs.	1	

* To place the cut up meat upon. A chopping block, if required, must be improvised.

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SCALE OF TENTS.—(Active Service).

For field army units at special establishment, exclusive of staff units and of regimental units on the lines of communication.

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TABLE 4.

Unit.	Field officer commanding unit.	Medical officer (for medical purposes).	Other officers.	W.O., Staff-sergeants, Serjeants, and rank and file.	Office.	Guard.	Total.	Remarks.
Cavalry regiment, headquarters	1	1	2	4	1	1	10	52 per unit.
Cavalry regiment, squadron	..	..	2	12	..	..	14	
Regimental Staff, corps artillery	1	..	1*	1	..	..	3	* And for office.
Brigade division staff, horse artillery	1	1	1	2	1	1	7	
Brigade division staff, field artillery, 15-pr.	1	1	1	2	1	1	7	
Brigade division staff, field artillery, 5-in. howitzer	1	1	1	2	1	1	7	
Battery, horse artillery, with cavalry brigade	..	1	2	13	..	..	16	
Battery, horse artillery, in brigade division	..	..	2	13	..	..	15	
Battery, field artillery, 15-pr.	..	..	2	12	..	..	14	
Battery, field artillery, 5-in. howitzer	..	..	2	14	..	..	16	
Battery, mountain	..	..	2	13	..	..	15	
Ammunition column, corps troops	..	..	2	18	..	1	21	
Ammunition column, infantry divisional	..	..	2	15	..	1	18	
Ammunition column, cavalry brigade	..	..	2	8	..	1	11	
Ammunition column, field artillery, 5-in. howitzer	..	..	2	15	..	1	18	
Ammunition park, staff	1	1	1	1	1	..	5	
Ammunition park, section	..	..	2	16	..	1	19	
Regimental staff, corps, Engineers	1	..	1*	1	..	1	4	
Regimental staff, divisional Engineers	..	..	1	1	..	..	2	
Field troop R.E.	..	..	2	9	..	..	11	
Pontoon troop	..	1	2	15	..	..	18	
Telegraph division, headquarters	..	..	1	2	1	..	4	24 per unit.
Telegraph division, section	..	..	1	4	..	..	5	
Field company	..	1	2	15	..	..	18	
Fortress company	..	..	2	9	..	..	11	

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TABLE 4—*continued.*

Unit.	Field officer commanding unit.	Medical officer (for medical purposes).	Other officers.	W.O., Staff-sergeants, Sergeants, and rank and file.	Office.	Guard.	Total.	Remarks.
Railway company	..	..	2	11	..	..	13	
Balloon section	..	..	1	4	..	..	5	
Field park	..	..	1	4	..	..	5	
Mounted infantry, headquarters	..	..	1	2	..	1	4	28 per unit.
Mounted infantry, company	..	..	2	10	..	..	12	28 per unit.
Infantry battalion, headquarters	1	1	1	8	1	1	13	85 per unit.
Infantry battalion, company	..	..	1	8	..	..	9	85 per unit.
Mounted company of signallers	..	..	1	3	..	..	4	
Dismounted company of signallers	..	..	1	3	..	..	4	
Supply Column, corps troops, supply wagon detachment ..	..	..	1*	6	..	..	16	
Supply Column, corps troops, headquarters and other details ..	..	1	2	6	..	..	16	
Supply Column, divisional, infantry brigade, supply wagon detachment ..	..	..	1*	3	..	..	12	
Supply Column, divisional, infantry brigade, headquarters and other details ..	..	1	2	5	..	..	12	
Supply Column, infantry brigade, supply wagon detachment ..	..	..	1*	4	..	..	13	
Supply Column, infantry brigade, headquarters and other details ..	..	..	2	6	..	..	13	
Supply Column, cavalry brigade, supply wagon detachment ..	..	..	1*	5	..	..	13	
Supply Column, cavalry brigade, headquarters and other details ..	..	..	2	5	..	..	13	
Field bakery, headquarters	..	1	1	3	..	..	†	† And 1 officer's tent to every 4 sections; total 31 tents per unit. This total excludes tents and marquees which form part of the normal equipment of a field bakery.
Field bakery, section	..	..	..	3	..	..	†	† And 1 officer's tent to every 4 sections; total 31 tents per unit. This total excludes tents and marquees which form part of the normal equipment of a field bakery.
Supply park, headquarters	..	1	1	2	1	..	5	47 per unit.
Supply park, section	..	..	1	13	..	..	14	47 per unit.
Bearer company	..	..	1	8	..	..	9	
Field hospital	..	..	2	6	..	..	8‡	‡ And 30 for sick and wounded.

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APPENDIX VII.

(*Referred to in paragraph* 317.)

TABLES SHOWING THE MATERIAL, TIME, AND WORKING PAY, ALLOWED FOR PAINTING MISCELLANEOUS CARTS, WAGONS, &c.

N.B.—For Carts, Wagons, &c., special to the Royal Artillery, see Artillery Special Instructions and Details, Part 2.

TABLE A.

Quantity of Material required for repairing bare places and painting one coat, for the following Carts, Wagons, &c.

Description.	Paint prepared, Lead Colour. lbs.	Lead Colour. ozs.	Stone Colour. lbs.	Stone Colour. ozs.	Red. lbs.	Red. ozs.	Putty. lbs.	Putty. ozs.	Remarks.
Woolwich Section, 2.									
Mauls, common (*or* iron-hooped)	1	0	—	—	—	—	—	—	For Heads only, per dozen, one coat.
Posts, picket, 2½ feet	0	2	—	—	—	—	—	—	
Woolwich Section, 3.									
Carts, ambulance, G.S.	8	8	—	—	—	—	1	0	
Woolwich Section, 4.									
Carts ... ... ammunition, small-arm	*a*	*a*	—	—	—	—	1	2	*a* Brown, 9 lbs. 8 ozs.*
chaise	8	8	—	—	—	—	1	0	
coal	13	4	—	—	—	—	1	2	
forage	9	8	—	—	—	—	1	2	
forge	9	8	—	—	—	—	1	2	
Gibraltar { large	12	0	—	—	—	—	1	8	
Gibraltar { small	9	0	—	—	—	—	1	2	
hand, common { Mark I.	6	4	—	—	—	—	0	10	
hand, common { ,, II.	6	0	—	—	—	—	0	8	
low, projectile	6	0	—	—	—	—	0	10	
Maltese	6	4	—	—	—	—	0	10	
shot	12	0	—	—	—	—	1	8	
sling	9	8	—	—	—	—	1	2	
tip, general service	9	8	—	—	—	—	1	2	

See note †, page 129.

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TABLE A—*continued.*

Description.	Paint prepared, Lead Colour. lbs.	Lead Colour. ozs.	Stone Colour. lbs.	Stone Colour. ozs.	Red. lbs.	Red. ozs.	Putty. lbs.	Putty. ozs.	Remarks.
Carts ... ... transport { spring ... ... / tip ... ... }	10	0	—	—	—	—	1	2	
Carts ... ... trench	—	—	—	—	3	12	0	12	
Carts ... ... water ... ... }	9	8	—	—	—	—	1	2	
Carts ... ... watering { barrel ... ... / box .. .. }	14	4	—	—	—	—	1	8	
Woolwich Section, 3.									
Wagons ... ambulance { equirotal ... ... / Mark III, IV, and V... }	15	8	—	—	—	—	2	0	
Wagons ... field hospital, store	19	8	—	—	—	—	2	8	
Wagons ... pharmacy	10	0	3	0	—	—	1	0	
Wagons ... surgery, spring	15	8	—	—	—	—	2	0	
Woolwich Section, 4.									
Wagons ... ammunition, small-arm (with limber) ...	*b*	*b*	—	—	—	—	1	8	*b* Brown, 13 lbs. 8 ozs.†
Wagons ... artillery	15	0	—	—	—	—	2	0	
Wagons ... bakery ... ... }	22	8	—	—	—	—	2	12	
Wagons ... bread and meat ... ... }									
Wagons ... forge { equirotal	19	12	—	—	—	—	2	4	
Wagons ... forge { lock under	18	12	—	—	—	—	2	4	
Wagons ... general service { equirotal ... ... / (lock under) ... / Royal Engineer... / Mark V, VI, and VII... }	16	0	—	—	—	—	2	0	
Wagons ... heavy, spring	15	8	—	—	—	—	2	0	
Wagons ... office	16	0	—	—	—	—	2	0	
Wagons ... siege, equirotal...	15	4	8	0	—	—	2	12	
Wagons ... sling (with limber) { 12 tons	19	8	—	—	—	—	2	12	
Wagons ... sling (with limber) { 7 ,, ...	13	8	—	—	—	—	2	4	
Wagons ... sling (with limber) { 6 ,, ...	8	8	—	—	—	—	—	12	
	15	0	—	—	—	—	2	0	
Woolwich Section, 10.									
Jacks, lifting, general service	0	4	—	—	—	—	—	—	

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			Woolwich Section, 13.											
Carriages, field, machine gun	·303 Maxim	Cavalry, Marks I and I*	6	8	—	—	—	—	0	8
		Infantry	Marks I and I* ...	3	8	—	—	—	—	0	4
			Mark II	4	8	—	—	—	—	0	4
	Nordenfelt, 3 barrel (Mark I), also		Cavalry ...	6	4	—	—	—	—	0	8
	Gardner, 2 barrel		Infantry ...	6	0	—	—	—	—	0	6
			Woolwich Section, 26.											
Barrows	hand ...	double		1	0	—	—	—	—	0	2
		single		0	12	—	—	—	—	0	2
		with legs		1	0	—	—	—	—	0	2
	stable			1	8	—	—	—	—	0	4
			Woolwich Section, 28.											
Carts	tip, Royal Engineer			9	8	—	—	—	—	1	2
	tool, double, Royal Engineer			18	0	—	—	—	—	2	8
Wagons	air line			12	0	—	—	—	—	2	0
	cable, Telegraph			18	4	—	—	—	—	2	4
	forge, Royal Engineer			18	12	—	—	—	—	2	4
	pontoon			12	0	—	—	—	—	2	0
	timber, R.E.			6	0	—	—	—	—	1	0
Pontoons				24	0	—	—	—	—	1	0

N.B.—Paint, black ... ... 4 ozs. } For every 12 camp kettles.
Varnish, japan black ... ... 1½ pints }

† Prepared in the following proportions:—

		lbs.	ozs.
Driers		18	0
Oil, linseed, raw		28	0
Paint, ground	brown, umber, burnt	19	0
	red, Venetian	2	8
	lead, white	56	0
	yellow, chrome, orange	7	0
Turpentine, spirits of		4	0

54
Gen. No.
8056

Ingredients for brown paint will be drawn in the proportions indicated in the Table, when greater or less quantities than those shown are required.

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TABLE B.

Time and Working Pay allowed for Scraping, Cleaning, and Painting the following Carts, Wagons, &c.

Description.	Scraping and Cleaning.		Painting.			
			Priming, or first Coat.		Stopping, and second Coat.	
	Time.	Amount.	Time.	Amount.	Time.	Amount.
Woolwich Section, 2.	H. M.	*s. d.*	H. M.	*s. d.*	H. M.	*s. d.*
Mauls, common (*or* iron-hooped for Heads only, per dozen, one coat)	—	—	1 45	0 2½	—	—
Posts, picket, 2½ feet	0 10	0 0¼	0 15	0 0¼	0 15	0 0¼
Woolwich Section, 3.						
Carts, ambulance G.S.	6 0	0 6	6 0	0 9	8 0	1 0
Woolwich Section, 4.						
Carts ... ... ammunition, small-arm	5 0	0 5	5 0	0 7½	8 0	1 0
chaise						
coal						
forage	6 0	0 6	6 0	0 9	9 0	1 1½
forge	5 0	0 5	5 0	0 7½	8 0	1 0
Gibraltar { large	4 0	0 4	4 0	0 6	7 0	0 10½
Gibraltar { small						
hand, common { Mark I.	3 0	0 3	3 0	0 4½	4 0	0 6
hand, common { ,, II.						
low, projectile						
Maltese						
shot	5 0	0 5	5 0	0 7½	8 0	1 0
sling...	6 0	0 6	5 0	0 7½	6 0	0 9
tip, G.S.						

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Carts ...	transport	spring									6	0	0	6	6	0	0	9	9	0	1	1½
		tip																				
	trench										3	0	0	3	3	0	0	4½	4	0	0	6
	water										6	9	0	6	5	0	0	7½	6	0	0	9
	watering	barrel																				
		box									8	30	0	8½	8	30	1	0¾	11	0	1	4½

TABLE B –*continued.*

Description.	Scraping and cleaning.		Painting.			
			Priming, or first Coat.		Stopping and second Coat.	
	Time.	Amount.	Time.	Amount.	Time.	Amount.
	H. M.	s. d.	H. M.	s. d.	H. M.	s. d.
Woolwich Section, 26.						
Barrows, hand { double	1 0	0 1	1 0	0 1½	1 15	0 2
Barrows, hand { single	0 45	0 0¾	0 45	0 1	1 0	0 1½
Barrows, hand { with legs	1 0	0 1	1 0	0 1½	1 15	0 2
Barrows, stable	1 0	0 1	1 0	0 1½	1 30	0 2¼
Woolwich Section, 28.						
Carts { tip, Royal Engineers	6 0	0 6	5 0	0 7½	6 0	0 9
Carts { tool, double, Royal Engineers	15 0	1 3	15 0	1 10½	19 0	2 4½
Wagons { air line	9 0	0 9	9 0	1 1½	12 0	1 6
Wagons { cable, Telegraph	15 0	1 3	15 0	1 10½	18 0	2 3
Wagons { forge, Royal Engineers	16 0	1 4	15 0	1 10½	17 0	2 1½
Wagons { pontoon	6 0	0 6	6 0	0 9	7 0	0 10½
Wagons { timber, R.E.	5 0	0 5	5 0	0 7½	6 30	0 9¾
Pontoons	6 0	0 6	10 0	1 3	11 0	1 4½

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TABLE C.

Quantity of Paint allowed for Marking.

Nature of Marking.			No. of Letters, &c.	Quantity of Paint.*	Remarks.
				ozs.	
Letters or figures	Writing	$1\frac{1}{4}$-in. type	200	$1\frac{1}{4}$	1 pint of turpentine per lb. of paint will be allowed for marking purposes.
		$1\frac{1}{8}$ „ „	200	1	
		1 „ „	200	1	
		$\frac{7}{8}$ „ „	200	$\frac{3}{4}$	
		$\frac{3}{4}$ „ „	200	$\frac{3}{4}$	
		$\frac{5}{8}$ „ „	200	$\frac{1}{2}$	
		$\frac{1}{2}$ „ „	200	$\frac{1}{2}$	
		$\frac{3}{8}$ „ „	200	$\frac{1}{4}$	
		$\frac{1}{4}$ „ „	200	$\frac{1}{4}$	
	Stencilling	$1\frac{1}{4}$ „ „	200	$\frac{5}{8}$	
		$1\frac{1}{8}$ „ „	200	$\frac{1}{2}$	
		1 „ „	200	$\frac{1}{2}$	
		$\frac{7}{8}$ „ „	200	$\frac{3}{8}$	
		$\frac{3}{4}$ „ „	200	$\frac{3}{8}$	
		$\frac{5}{8}$ „ „	200	$\frac{1}{4}$	
		$\frac{1}{2}$ „ „	200	$\frac{1}{4}$	
		$\frac{3}{8}$ „ „	200	$\frac{1}{8}$	
		$\frac{1}{4}$ „ „	200	$\frac{1}{8}$	
Circular spot, 1 inch in diameter			200	3	
Geneva cross		10 in. × 9 in.	10	$2\frac{1}{2}$	These quantities are for white paint, the same quantities are required for Chinese red.
		9 „ × 8 „	10	$2\frac{1}{4}$	
		$7\frac{1}{2}$ „ × $5\frac{3}{4}$ „	10	$1\frac{3}{4}$	
		6 „ × 5 „	10	$1\frac{1}{2}$	
Lines, 1 in. × 3 in.			10	$\frac{1}{4}$	

* Less than $\frac{1}{4}$-lb. paint should not be issued.

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APPENDIX VIII.

(*Referred to in paragraph* 330.)

MATERIALS FOR REPAIR AND PRESERVATION OF ARMS.

I. Materials for Repairing Arms.

The following tables contain lists of the various parts of arms supplied to the Regular Army, at public expense, for the use of armourer-serjeants. Items required for repair of the arms of units unprovided with armourer-serjeants, will be demanded and accounted for by the officer whose armourer is detailed to perform the work. The parts of interchangeable arms are, as a rule, issued in a finished state:—

Carbines, Martini-Metford and Martini-Enfield, and Rifles, Martini-Enfield.

TABLE I.

Description.	Annual proportion for 1,000 Arms.*			
	Carbines, Artillery.			
	Martini-Metford.		Martini-Enfield.	Rifles. Martini-Enfield, Mark I.
	Mark II.	Mark III.	Mark I.	
Weedon Section.				
Bands { lower, M.L.M. rifle, Mark II	—	—	—	1
Bands { upper, M.E. rifle, Mark I	—	—	—	1
Blocks { breech, M.M.	1	1	1	—
Blocks { ,, M.E. rifle, Mark I	—	—	—	1
Blocks { catch, lever, M.M.	1	1	1	1
Bolts, stock, M.M.	1	1	1	1
Caps, nose { A.C., M.M., Mark II	1	1	—	—
Caps, nose { M.E. { rifle, Mark I	—	—	—	1
Caps, nose { M.E. { carbine, artillery, Mark I ...	—	—	1	—
Cords, pull-through	2000	2000	2000	2000
Extractors { M.M.	1	1	1	—
Extractors { M.E. rifle, Mark I	—	—	—	1
Guards { trigger, M.M.	1	1	1	1
Guards { hand, M.E. rifle, Mark I	—	—	—	1
Gauze, wire, pieces of	2000	2000	2000	2000
Holders, rod, M.E. rifle, Mark I	—	—	—	3
Hooks, fore end, M.M.	—	2	2	2
Indicators, M.M.	10	10	10	10
Leaves, back sight { C.C., M.L.M., Mark I ...	5	5	5	—
Leaves, back sight { M.L.M. rifle, Mark II ...	—	—	—	5
Levers, breech, M.M.	1	1	1	1
Nuts { rod { C.C., M.L.M., Mark I	5	5	5	—
Nuts { rod { M.L.M. rifle, Mark II.	—	—	—	5
Nuts { screw band, upper, M.L.M. rifle	—	—	—	30
Nuts { stop, M.M.	2	2	2	2

* For other establishments a proportionate allowance will be supplied, fractional results in working out may be taken as whole numbers, and allowance is to be made for any number in possession of the corps.

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Carbines, Martini-Metford and Martini-Enfield, and Rifles, Martini-Enfield—*continued*.

TABLE 1—*continued.*

Description.	Annual proportion for 1,000 Arms.* Carbines, Artillery. Martini-Metford. Mark II.	Martini-Metford. Mark III.	Martini-Enfield. Mark I.	Rifles. Martini-Enfield, Mark I.
Pull-throughs, double§	—	—	—	—
Pins axis: back sight, M.L.M. rifle ...	5	5	5	5
Pins axis: block, M.M.	3	3	3	3
Pins block, catch, lever, M.M.	1	1	1	1
Pins extractor, M.M.	1	1	1	1
Pins stop band: lower, M.L.M. rifle ...	—	—	—	1
Pins stop band: upper, M.E. rifle, Mark I ...	—	—	—	1
Pins stud, barrel, A.C., M.M., Mark II	1	—	—	—
Rivets, spring, hand guard, M.L.M. rifle ...	—	—	—	10
Screws band: lower, M.L.M. rifle, Mark II ...	—	—	—	5
Screws band: upper, M.E. rifle, Mark I ...	—	—	—	4
Screws bed, back sight, M.L.M. rifle	5	5	5	5
Screws cap: back sight, M.L.M. rifle	5	5	5	5
Screws cap: nose, M.L.M. rifle	5	5	5	—
Screws cap: ,, M.E. rifle, Mark I	—	—	—	5
Screws holder, rod: long, M.E. rifle ...	—	—	—	1
Screws holder, rod: short ,, ,, ...	—	—	—	1
Screws hook, fore-end, M.M....	—	4	4	4
Screws keeper: indicator, M.M.	6	6	6	6
Screws keeper: stop nut ,, ...	4	4	4	4
Screws plate, butt	10	10	10	10
Screws spring: sight, back, M.L.M. rifle	5	5	5	5
Screws spring: trigger, M.M.	4	4	4	4
Screws swivel, band, A.C., M.M.‡	4	4	4	—
Screws trigger, M.M.	4	4	4	4
Slides back sight, C.C., M.L.M., Mark I	5	5	5	—
Slides ,, M.L.M. rifle, Mark II	—	—	—	5
Springs sight, back, M.L.M. rifle	3	3	3	3
Springs block, catch, lever, M.M.	2	2	2	2
Springs hand guard, upper, M.L.M. rifle, Mark II	—	—	—	2
Springs main, M.M.	10	10	10	10
Springs trigger, M.M.	6	6	6	6
Stocks butt ...: long, M.M.	1	1	1	1
Stocks butt ...: short ,, ...	—	—	—	1
Stocks fore-end: A.C., M.M., Mark II	1	—	—	—
Stocks fore-end: ,, ,, III	—	1	1	—
Stocks fore-end: M.E. rifle, Mark I	—	—	—	1
Stops, stud, barrel, A.C., M.M., Mark II	1	—	—	—
Strikers, M.M.	15	15	15	15
Studs, barrel, A.C., M.M., Mark II	1	—	—	—
Swivels band: M.M., A.C.†	5	5	5	—
Swivels band: M.L.M. rifle, Mark II†	—	—	—	5
Swivels butt, M.L.M. rifle	5	5	5	5
Swivels piling, M.L.M. rifle, Mark II	—	—	—	20
Triggers M.M.	3	3	3	—
Triggers M.E. rifle	—	—	—	3
Tumblers, M.M.	3	3	3	3
Washers, bolt, stock, M.L.M. rifle	2	2	2	2

38407 Equipt. 1931

* For other establishments a proportionate allowance will be supplied, fractional results in working out may be taken as whole numbers, and allowance is to be made for any number in possession of the corps.

† Band combined with nose cap.

‡ Same as screw, swivel, piling, M.L.M. rifle, Mark II.

§ 20 for cavalry and infantry, 20 for other services with two spare gauzes to each.

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Carbines and Rifles, Magazine Lee-Metford and Magazine Lee-Enfield.

TABLE 2.

Articles.	Annual proportion per 1,000 Arms.§					
	Carbines, Cavalry.		Rifles.			
	M.L.M. Mark I.	M.L.E. Mark I.	M.L.M. Mark I.*	M.L.M. Mark II.	M.L.M. Mark II.*	M.L.E. Mark I.
Weedon Section.						
Bands lower, M.L.M. rifle Mark I*	—	—	3	—	—	—
Bands lower, M.L.M. rifle ,, II	—	—	—	3	3	3
Bands lower, M.L.M. carbine	3	3	—	—	—	—
Bands upper, M.L.M., Mark I*	—	—	3	—	—	—
Barleycorns, front sight, M.L.M. rifle, Mark I*	—	—	30	—	—	—
Beads, pointer, dial, sight, M.L.M. rifle Mark I*...	—	—	5	—	—	—
Beads, pointer, dial, sight, M.L.M. rifle ,, II...	—	—	—	5	5	5
Bolts, M.L.M. breech rifle Mark I*	—	—	25	—	—	—
Bolts, M.L.M. breech rifle ,, II	—	—	—	15	—	—
Bolts, M.L.M. breech rifle ,, II*	—	—	—	—	15	15
Bolts, M.L.M. carbine	15	15	—	—	—	—
Bolts, M.L.M. stock	1	1	1	1	1	1
Bottles, oil, M.L.M. stoppers	5	5	5	5	5	5
Bottles, oil, M.L.M. washers	10	10	10	10	10	10
Caps, nose M.L.M. rifle Mark I*† ...	—	—	1	—	—	—
Caps, nose M.L.M. rifle ,, II† ...	—	—	—	1	1	—
Caps, nose M.L.M. carbine†	1	—	—	—	—	—
Caps, nose M.L.E. rifle†	—	—	—	—	—	1
Caps, nose M.L.E. carbine†	—	1	—	—	—	—
Cases, magazine, M.L.M. rifle Mark I* ...	—	—	5	—	—	—
Cases, magazine, M.L.M. rifle ,, II ...	—	—	—	5	5	5
Cases, magazine, M.L.M. carbine	5	5	—	—	—	—
Catches, M.L.M. magazine, rifle Mark I* ...	—	—	5	—	—	—
Catches, M.L.M. magazine, rifle ,, II ...	5	5	—	5	5	5
Catches, M.L.M. safety, carbine	10	10	—	—	10	10
Cocking-pieces, M.L.M. rifle Mark I* ...	—	—	30	—	—	—
Cocking-pieces, M.L.M. rifle ,, II ...	—	—	—	30	—	—
Cocking-pieces, M.L.M. carbine	30	30	—	—	30	30
Collars, screw, front, trigger guard M.L.M. ...	1	1	1	1	1	1
Cords, pull-through	2,000	2,000	2,000	2,000	2,000	2,000
Covers, M.L.M. bolt, breech, rifle Mark I* ...	—	—	5	—	—	—
Covers, M.L.M. bolt, breech, rifle ,, II ...	10	10	—	10	10	10
Covers, M.L.M. back-sight, carbine	6	6	—	—	—	—
Cut-offs, M.L.M. rifle Mark I*	—	—	5	—	—	—
Cut-offs, M.L.M. rifle ,, II	5	5	—	5	5	5
Extractors, M.L.M. rifle Mark I*	—	—	20	—	—	—
Extractors, M.L.M. rifle ,, II	20	20	—	20	20	20
Guards hand, M.L.M. rifle Mark I* ...	—	—	80	—	—	—
Guards hand, M.L.M. rifle ,, II ...	—	—	—	40	40	40
Guards hand, M.L.M. carbine	20	20	—	—	—	—
Guards trigger, M.L.M. rifle Mark I* ...	—	—	1	—	—	—
Guards trigger, M.L.M. rifle ,, II ...	—	—	—	1	1	1
Guards trigger, M.L.M. carbine... ...	1	1	—	—	—	—
Gauze, wire, pieces of	2,000	2,000	2,000	2,000	2,000	2,000
Heads, bolt, breech, M.L.M. rifle Mark I* ...	—	—	20	—	—	—
Heads, bolt, breech, M.L.M. rifle ,, II ...	10	10	—	10	10	10
Leaves, back-sight M.L.M. rifle Mark I* ...	—	—	5	—	—	—
Leaves, back-sight M.L.M. rifle ,, II ...	—	—	—	5	5	5
Leaves, back-sight M.L.M. carbine	5	—	—	—	—	—
Leaves, back-sight M.L.E. carbine...	—	5	—	—	—	—

† Combined with upper band.

§ For other establishments a proportionate allowance will be supplied, fractional results in working out may be taken as whole numbers, and allowance is to be made for any number in possession of the corps.

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Carbines and Rifles, Magazine Lee-Metford and Magazine Lee-Enfield—*continued.*

TABLE 2—*continued.*

Articles.	Annual proportion per 1,000 Arms.§					
	Carbines, Cavalry.		Rifles.			
	M.L.M. Mark I.	M.L.E. Mark I.	M.L.M. Mark I.*	M.L.M. Mark II.	M.L.M. Mark II.*	M.L.E. Mark I.
Links, magazine, M.L.M. rifle Mark I*	—	—	5	—	—	—
rifle ,, II	—	—	—	5	5	5
carbine	5	5	—	—	—	—
Nuts, M.L.M. rod rifle, Mark II	—	—	—	5	5	5
rod carbine	5	5	—	—	—	—
screw, band, upper	—	—	40	—	—	—
Pins, M.L.M. axis back sight	5	5	5	5	5	5
axis trap, butt-plate	10	10	10	10	10	10
barleycorn, front sight	—	—	20	—	—	—
catch magazine	10	10	10	10	10	10
catch safety, carbine	10	10	—	—	10	10
cover, head, breech-bolt	—	—	10	—	—	—
spring platform, magazine	5	5	—	5	5	5
stop, band lower	—	—	1	1	1	1
stop, band upper	—	—	1	—	—	—
trigger	5	5	5	5	5	5
Pivots, sight, aperture, M.L.M. rifle	—	—	1†	—	—	—
Plates, butt, M.L.M. rifle Mark I*	—	—	2	—	—	—
rifle ,, II	—	—	—	2	2	2
carbine	2	2	—	—	—	—
Platforms, magazine, M.L.M. rifle Mark I*	—	—	25	—	—	—
rifle ,, II	5	5	—	5	5	5
Pointers, dial, sight, M.L.M. rifle Mark I*	—	—	10	—	—	—
rifle ,, II	—	—	—	10	10	10
Pull-throughs, double¶	—	—	—	—	—	—
Rivets, M.L.M. fore-end	2	2	2	2	2	2
spring hand-guard rifle	—	—	10	10	10	10
Screws, M.L.M. band lower, rifle Mark I*	—	—	5	—	—	—
band lower, rifle ,, II	5	5	—	5	5	5
band upper, ,, ,, I*	—	—	5	—	—	—
bed, back sight	5	5	5	5	5	5
cap back sight	5	5	5	5	5	5
cap nose rifle	—	—	5	5	5	5
cap nose carbine	5	5	—	—	—	—
cover breech-bolt	—	—	100	—	—	—
cover back sight long	3	3	—	—	—	—
cover back sight short	3	3	—	—	—	—
cut off	10	10	10	10	10	10
ejector	15	15	15	15	15	15
extractor	20	20	20	20	20	20
guard, trigger back	25	25	25	25	25	25
guard, trigger front	5	5	5	5	5	5
head, breech, bolt, rifle, Mark I*	—	—	200	—	—	—
keeper, striker rifle, Mark I*	—	—	20	20	—	—
keeper, striker carbine	30	30	—	—	30	30
plate, butt (iron)	4	4	4	4	4	4
sear	10	10	10	10	10	10
sight aperture, rifle	—	—	10‡	10	10	10
sight dial, rifle fixing	—	—	5	5	5	5
sight dial, rifle pivot	—	—	10	10	10	10
spring cut off, rifle, Mark I*	—	—	10	—	—	—
spring sight aperture, rifle	—	—	20	20	20	20
spring sight back	5	5	5	5	5	5
spring strap, butt-plate (iron)	—	—	—	2	2	2

¶ 50 for Cavalry and Infantry, 20 for other services, with two spare gauzes to each.

§ For other establishments a proportionate allowance will be supplied, fractional results in working out may be taken as whole numbers, and allowance is to be made for any number in possession of the corps. † For rifles of earlier manufacture that have pivots.

‡ For rifles of later manufacture that have screws.

(EQ. R.)

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Carbines and Rifles, Magazine Lee-Metford and Magazine Lee-Enfield—*continued.*

TABLE 2—*continued.*

Articles.	Annual proportion per 1,000 Arms.§					
	Carbines, Cavalry.		Rifles.			
	M.L.M. Mark I.	M.L.E. Mark I.	M.L.M. Mark I.*	M.L.M. Mark II.	M.L.M. Mark II.*	M.L.E. Mark I.
Screws, M.L.M. spring-trap, butt-plate	5	5	5	5	5	5
Screws, M.L.M. swivel piling rifle	—	—	5	5	5	5
Screws, M.L.M. swivel trigger guard, rifle, Mark I*	—	—	5	—	—	—
Sears, M.L.M. Mark I*	—	—	15	—	—	—
Sears, M.L.M. ,, II	15	15	—	15	15	15
Sights, aperture, M.L.M. rifle	—	—	5	5	5	5
Slides, M.L.M., back sight rifle Mark I* ...	—	—	5	—	—	—
Slides, M.L.M., back sight rifle ,, II ...	—	—	—	5	5	5
Slides, M.L.M., back sight carbine	5	5	—	—	—	—
cut off, rifle, Mark I*	—	—	5	—	—	—
extractor	40	40	40	40	40	40
guard, hand, rifle lower Mark I*	—	—	2	—	—	—
guard, hand, rifle lower ,, II	—	—	—	2	2	2
guard, hand, rifle upper ,, I*	—	—	2	—	—	—
guard, hand, rifle upper ,, II	—	—	—	2	2	2
link, magazine, rifle, Mark I* ...	—	—	200	—	—	—
main	150	150	150	150	150	150
Springs, M.L.M. platform, magazine rifle Mark I* ...	—	—	75	—	—	—
Springs, M.L.M. platform, magazine rifle ,, II ...	—	—	—	25	25	25
Springs, M.L.M. platform, magazine carbine... ...	25	25	—	—	—	—
pin, catch, safety, carbine ...	10	10	—	—	10	10
retaining breech bolt ...	5	5	5	5	5	5
retaining band ...	5	5	—	—	—	—
sear	15	15	15	15	15	15
sight aperture, rifle ...	—	—	15	15	15	15
sight back	3	3	3	3	3	3
sight dial, rifle	—	—	2	2	2	2
trap, butt plate	10	10	10	10	10	10
Stocks butt rifle Mark I*	—	—	5	—	—	—
Stocks butt rifle ,, II	—	—	—	5	5	5
Stocks butt carbine	5	5	—	—	—	—
Stocks fore-end rifle Mark I* ...	—	—	5	—	—	—
Stocks fore-end rifle ,, II ...	—	—	—	5	5	5
Stocks fore-end carbine	5	5	—	—	—	—
Strikers, M.L.M. rifle, Mark I* ...	—	—	30	30	—	—
Strikers, M.L.M. carbine	30	30	—	—	30	30
Swivels, M.L.M. band, rifle Mark I* ...	—	—	5	—	—	—
Swivels, M.L.M. band, rifle ,, II ...	—	—	—	5	5	5
Swivels, M.L.M. butt	—	—	5‡‡	5	5	5
Swivels, M.L.M. guard, trigger, rifle, Mark I*	—	—	5	—	—	—
Swivels, M.L.M. piling, rifle Mark I* ...	—	—	30	—	—	—
Swivels, M.L.M. piling, rifle ,, II ...	—	—	—	30	30	30
Traps, M.L.M., butt-plate, rifle Mark I* ...	—	—	3	—	—	—
Traps, M.L.M., butt-plate, rifle ,, II ..	3	3	—	3	3	3
Triggers, M.L.M. rifle Mark I* ...	—	—	3	—	—	—
Triggers, M.L.M. rifle ,, II ...	3	3	—	3	3	3
Wads, bolt, stock, M.L.M.	30	30	30	30	30	30
Washers, M.L.M. bolt, stock	2	2	2	2	2	2
Washers, M.L.M. guard, hand, or rivet, fore-end...	5	5	20	20	20	20
Washers, M.L.M. screw, fixing, dial sight, rifle ...	—	—	3	3	3	3

§ For other establishments a proportionate allowance will be supplied, fractional results in working out may be taken as whole numbers, and allowance is to be made for any number in possession of the corps.

‡‡ For rifle regiments and mounted infantry only.

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Bayonets for M.E. Rifles.

TABLE 3.

Description.			Annual proportion for 1,000 arms.*
			Rifles; M.E., Mark I.
Weedon Section.			
Bayonets. Martini-Enfield	rings, locking		1
	screws		3
Scabbards, bayonet	lockets, Martini-Enfield		1
	rivets ...	screwed	700
		split	320
		T headed...	120
	springs ...	long, Martini-Enfield, Mark II ...	15
		short, Martini-Enfield	10
	tips, Martini-Enfield, long		10
	washers, brass		180
	M.E. leathers		5

* For other establishments a proportionate allowance will be supplied, fractional results in working out may be taken as whole numbers, and allowance is to be made for any number in possession of the corps.

SWORD-BAYONETS AND SCABBARDS, PATTERN 1888.

TABLE 4.

Articles.			Annual proportion per 1,000 arms.§	Remarks.
Weedon Section.				
Sword-bayonets	bolts		15	
	grips ... ... pairs		5	
	nuts, bolt		25	
	rivets, grip	large	10	For sword-bayonets of early manufacture that have 2 small rivets and 1 large.
		small	10	
	springs, bolt, spiral		15	
	washers, rivet, grip	large ...	20	For sword-bayonets of early manufacture that have 2 small rivets and 1 large.
		small ...	20	
Scabbards	laces, iron		50	
	leathers, finished		10	
	lockets		3	
	tips		5	

§ For other establishments a proportionate allowance will be supplied, fractional results in working out may be taken as whole numbers, and allowance is to made for any number in possession of the corps.

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Webley Pistols.

38407
Equip.
1895

TABLE 5.

Description of Components.	Percentage allowed on the No. of Pistols on charge. (Pistol, Webley.) Mark I.	Mark I*.	Mark II.	Mark III.	Remarks.
Cams, cylinder	—	—	—	5	
Catches { barrel	5	5	5	5	
Catches { hammer	5	5	5	5	
Cups, countersink, for screw stock	5	5	5	5	
Hammers { Mark I	5	5	—	—	
Hammers { ,, II	—	—	5§	5§	
Levers { extractor, assembled	10*c*	10*c*	10*d*	10*e*	
Levers { auxiliary, Mark II	—	—	5	5	
Levers { cam, cylinder	—	—	—	5	
Nuts { screw, stock	5	5	5	5	
Nuts { extractor	—	—	—	5	
Pawls	10*a*	10*b*	10*b*	10*b*	
Pins { joint, axis { ... ... Mark III ...	10 —	10 —	10 —	— 10	
Pins { extractor lever, Mark I ... auxiliary, lever extractor, Mark II	10	10	10	10	
Pins { swivel, butt	10	10	10	10	
Pins { stock, sides	10	10	10	10	
Shields	—	5*d*	5*d*	5*e*	
Screws { axis, cylinder	5	5	5	—	
Screws { cam ,, ...	—	—	—	10	
Screws { catch { barrel ... ... hammer	10 5	10 5	10 5	10 5	
Screws { fixing, lever, cam, cylinder ...	—	—	—	10	
Screws { guard, trigger	5	5	5	5	
Screws { hammer or trigger	5	5	5	5	
Screws { lever, cam, cylinder	—	—	—	5	
Screws { pin, joint, axis	10	10	10	10	
Screws { spindle	5	5	5	—	
Screws { spring, stop, trigger	5	5	5	5	
Screws { stock, sides	5	5	5	5	
Screws { shield, Mark II	—	10	10	10	
Screws { swivel, hammer	5	5	5	5	
Springs, catch { barrel	10	10	10	10	
Springs, catch { hammer { Mark I ...	10	10	—	—	
Springs, catch { hammer { ,, II ...	—	—	5	5	
Springs { extractor, lever, Mark I ...	10	10	—	—	
Springs { lever, auxiliary, Mark II ...	—	—	5	5	
Springs { main	15	15	15	15	
Springs { ,, auxiliary	5	5	5	5	
Springs { spindle extractor	15	15	15	15	
Springs { stop, trigger	15	15	15	15	
Stop, trigger	5	5	5	5	
Swivels { butt (with ring)	5	5	5	5	
Swivels { hammer { ... ... Mark II ...	5 —	5 —	5 —	— 5	
Triggers	5	5	5	5	

Except for an establishment of three pistols or less, the proportion (less any numbers in possession) may be drawn annually.

For an establishment of three pistols or less, it will only be drawn triennially.

Fractional results may be reckoned as whole numbers.

a Mark I or II. *b* Mark II.
c Mark I, II, or III. *d* Mark II or III. *e* Mark III.
§ These components can be made to interchange in Marks I and I* by a slight alteration in the body.

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Cavalry Swords and Scabbards.

TABLE 6. Description.	No. per cent. allowed annually.	Remarks.
Weedon Section.		
Swords, grips, cavalry, pattern 1890 (also for pattern 1882 and 1885)	2	N.B.—Any remaining from previous supplies to be allowed for.
Scabbards, sword — linings, cavalry, pattern 1885, Mark I. or Mark II.†	5	†*The pattern of these items for the Mark I. scabbard differs from that for the Mark II., so that Mark I. or Mark II. should be specially demanded according to the pattern of scabbard in possession.*
Scabbards, sword — loops, cavalry, pattern 1885 { back (*for either Mark I. or II.*) { front	5 5	
Scabbards, sword — mouthpieces, cavalry, pattern 1885, Mark I. or Mark II.†	2	
Scabbards, sword — screws, mouthpiece, cavalry, pattern 1885 (*for either Mark I. or II.*) ...	10	
Scabbards, sword — tips, shoe, cavalry (*for either Mark I. or II.*)	10	
Wire, armourers, iron, lbs. — No. 9 W.G. soft (*for rivets for grips*)	½	
Wire, armourers, iron, lbs. — No. 12 W.G. soft (*for rivets for loops*)	¼	

Lances.

TABLE 7. Description.	No. per cent.
Weedon Section.	
Dees (brass, ¾-inch)	5
Laces for flags	15
Protectors, leather, for stave of lance ...	30
Slings	10
Thongs	20

54
Cavalry
211
38407
Equipment
1900
...
225

Tubes, Aiming.

TABLE 8. Description.	Annual supply for: 10 tubes or less.	Annual supply for: From 10 to 20 tubes.	Remarks.
Weedon Section.			
Components.			
Tubes, aiming — breechpieces, Martini-Henry (carbine and rifle)*	1	1	N.B.—Any remaining from previous supplies to be allowed for.
Tubes, aiming — screws, breechpiece, Martini-Henry (carbine and rifle)* ...	2	5	
Tubes, aiming — set nuts, Magazine-Lee-Metford rifle†	...	1	**For Martini-Henry tubes only.*
Tubes, aiming — washers, Magazine-Lee-Metford rifle { gunmetal† { leather† ...	... 2	1 5	†*For Magazine-Lee-Metford tubes only.*
Appurtenances.			
Tubes, aiming — brushes, cleaning (carbine and rifle)§	1 per 2 tubes	1 per 2 tubes	§*For Martini-Henry and Magazine-Lee-Metford tubes.*
Tubes, aiming — rods, cleaning { carbine*... { rifle§	1 1	1 1	

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11. Materials for Browning Arms.

A biennial supply for rifles and carbines, in accordance with para. 330.

TABLE 9.

Description.	Quantity. 800 arms.	600 arms.	500 arms.	Remarks.
Weedon Section.				
Brushes, hard, armourers	3	2	2	
Woolwich Section, 3.				
Flannel, white ... ... yds.	...	...	...	1 for every 2000 stand of arms.
Woolwich Section, 7.				
Card, scratch ... ... yds.	3	2	1¾	
Cloth, emery ... fine ... ... quires	4	3	2¼	
Cloth, emery ... middling ... ,,	2	1½	1¼	
Dust, bone ... ... lbs.	5	4	3½	
Woolwich Section, 8.				
Paper, glass ... fine, No. 1½ quires	2	1½	1¼	
Paper, glass ... coarse ... ... ,,	2	1½	1¼	
Powder, emery, flour ... ... ozs.	16	12	10	
Woolwich Section, 9.				
Spelter, brass ... ... ozs.	8	6	5	
Tin, grain ... ... lbs.	1	1	14/16	For soldering.
Woolwich Section, 11.				
Borax, refined ... ... ozs.	8	6	5	
Glue, best town made ... ... lbs.	4	3	2½	
Oil*	...	...	...	
Resin, black ... ... ozs.	8	6	5	
Sal-ammoniac, in lumps ... ... ,,	2	1¾	1 7/16	
Soda, crystal† ... ... lbs.	144	108	90	For cleaning barrels
Miscellaneous Stores.				
Mixture, browning‡	...	...	...	
Sheeting, old ... ... lbs.	24	20	16¾	

* The following quantities of oil will be issued for the cleaning, oiling, and preservation of small arms, including pistols, at home stations and in the Dominion of Canada in time of peace:—

Rifle Oil.

Horse and Field Batteries, Royal Artillery, 5 pints annually.
Regimental Districts.—For every 100 stand of arms in constant use, 6 gallons annually.
Other Services.—For every 100 stand of arms, 6 gallons annually.

Rifle Oil and Mineral Jelly.

At stations abroad, except in the Dominion of Canada, a mixture of oil and mineral jelly will be issued in the following proportions:—

Horse and Field Batteries, Royal Artillery, 6¼ pints for each battery per annum.
Other Services.—6 gallons 1 quart for every 100 stand of arms per annum at Gibraltar, Malta, Egypt, and South Africa; 7 gallons at Straits Settlements, Mauritius, Ceylon, Hong Kong, Bermuda, Barbados, Jamaica; and 9 gallons at West Coast of Africa.

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The above allowance of rifle oil, and rifle oil and mineral jelly will include the quantities required for browning, and also for filling the oil bottles.

Rangoon Oil.

1 gallon of Rangoon oil per 100 rifles or carbines per annum will be allowed for lubricating the actions, for which purpose rifle oil is on no account to be used.

No oil, except that supplied by the Army Ordnance Department, will be applied to the arms under any circumstances.

Composition Preserving Arms.

In the West Indies, West Coast of Africa, Mauritius, Hong Kong, and Singapore, arms will be greased, between fore-end and barrel, quarterly, with "Composition, preserving arms," thickened with beeswax. For this service 4 gallons of mixture and 16 lbs. of beeswax for every 500 arms per annum will be allowed. At Ceylon the arms will be greased in this way quarterly during nine months of the year, and once a month for the remaining three months, and 6 gallons of mixture and 24 lbs of beeswax will be supplied for 500 stand of arms. At other stations the arms will be greased once a year with "composition, preserving arms" only, and 1 quart of the mixture for every 100 stand of arms will be allowed.

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† 1½ lbs. to each gallon of water. The quantities shown are the maximum allowance, but no more should be used than is actually required to remove the grease.

‡ Browning mixture is supplied in the proportions described in Instructions for the care, repair, and browning, &c., of Arms and Bayonet Scabbards, in the Instructions for Armourers. Charcoal and coal are supplied as laid down in the Allowance Regulations.

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III. Materials for Cleaning Arms.

Annual Supply—Peace only. (*Referred to in paragraph* 330).

Oil (see allowance given in Table 9, foot-note *).

Sheeting, old, 1½ oz. .. .. For each Webley pistol.

"Flannelette { 36 inches { For each ·303 rifle and carbine in possession of units of cavalry and infantry. / 18 „ { For each ·303 rifle and carbine in possession of units other than cavalry and infantry." } A.O. 44 1898

In addition to the above, 10 lbs. of old sheeting will be allowed for the use of the armourer.§

In the case of the Royal Artillery, when arms are examined by the armourer serjeant, he should be provided with $\frac{1}{10}$th of a pint for every 18 stand (or less) of arms, out of the annual allowance of oil.

Three months' Supply—War only.

Oil { Rangoon, 12 pints per regiment of cavalry and battalion of infantry. / rifle, 18 pints per 100 stand of arms. } Allowance for 3 pistols to be as for 1 rifle or carbine. 40116 6290

Flannelette, 30 yards per 100 rifles or carbines.

Sheeting, old, 3 lbs. per regiment of cavalry or battalion of infantry.

Scale for arms of patients admitted to field hospitals on manœuvres :—

Flannelette	10 yards	per field hospital.
Pull-throughs	2 „	
Rifle oil	6 pints	

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APPENDIX VIIIA.

(*Referred to in paragraph* 142K.)

INSTRUCTIONS RELATING TO HARNESS AND SADDLERY STORED FOR REGISTERED HORSES, ON MOBILIZATION.

1. The proportions of sizes, &c., of various articles of harness and saddlery for use with registered horses on mobilization, are detailed in the following tables, with instructional notes :—

Extending Pieces, &c.

(§ 7166, *List of Changes.*)

Description.	For universal saddles.	For artillery draught (horse and field batteries only).	For ammunition columns and parks, also transport draught.
	Per cent.	Per cent.	Per cent.
Bits, snaffle, van	...	...	20*
Breeching, Army Service Corps pattern—			
Straps, extending	...	...	40
Girth, luggage—			
Pieces, extending (for all sizes of girths)	10	20	40
Surcingle, leather, harness—			
Straps, extending	10	20	40
Straps, hame, 30-inch	...	100	100

40116 6059

* In lieu of similar numbers of reversible bits. With the snaffle van bits, the reversible bridle-head is necessary.

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Bit, Snaffle.

2. The snaffle bit is a strong double-ring pattern with twisted mouthpiece. It will be used with horses in transport not accustomed to work in portmouth bits, or that require a larger mouthpiece than the 5½-inch, No. 2 (largest size) portmouth reversible bit.

Breeching, Army Service Corps.—Strap, Extending.

3. The strap is 1½ inches in width and 13¾ inches in length, and fitted with a 1½-inch buckle to take the breeching strap.

These straps will be required with the Army Service Corps new-pattern breechings when used on heavy van horses, as the breeching straps will be found too short to permit of their being bent back and buckled after passing through the squares in the leather parts of the traces.

Two straps will be required with each breeching, one on each side, if any extension of breeching is necessary, to allow the seat of breeching and the hip straps to work evenly.

NOTE.—The extending straps are not intended to take the place of the short breeching straps mentioned in *List of Changes*, § 7096.

Girth.—Piece, Extending.

4. The extending piece for luggage girth is 12 inches in length, fitted with two 1-inch buckles, and split into two 1-inch straps to buckle into the girth. It will suit any of the girths mentioned in the following table of girths.

The extending pieces will be found unnecessary in some cases after a few days' wear. *See* page 145, with reference to stretching of leather.

Girths.

(§ 7136, *List of Changes.*)

5. Percentage of sizes.

Pattern and size.	Universal saddlery.				Harness.	
	Cavalry.		Mounted infantry.	Royal Artillery, Royal Engineers, and Army Service Corps.	Artillery.	Royal Engineers. Army Service Corps, transport and ammunition columns and parks.
	Light	Heavy.				
Small (30-inch) ...	...	...	100	...	...	...
Medium (34-inch)	100	80	...	70	60	30
Large (38-inch) ...	...	20	...	30	40	70
Luggage (48-inch)* ...	...	...	...	...	...	...
	100	100	100	100	100	100

* All luggage saddles.

No girths having 1¼-inch buckles are to be held in mobilization stores.

Surcingle.—Strap, Extending.

6. The strap for extending surcingle is 13 inches in length, fitted at one end with a buckle, and suitably punched at the other end.

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The service surcingle is issued in one length for all services. The strap is set back on the body 5 inches to allow it to be lengthened regimentally by re-sewing the strap nearer the point, when necessary. But as this cannot be done on mobilization, extending straps are provided.

Strap, Hame, 30-inch.

7. The strap hame for future manufacture will be 30 inches. This length only will be held in mobilization stores. 40116 / 6059

Bits, Portmouth.

8. Percentage of sizes.

Pattern and size.	Saddlery.					Harness.	
	Officers.	Cavalry. Light.	Cavalry. Heavy.	Mounted infantry.	Royal Artillery, Royal Engineers, and Army Service Corps.	Artillery.	Royal Engineers, Army Service Corps, transport, and ammunition columns and parks.
Cavalry, Mark II. { medium	...	70*	50*	...	...	...	...
Cavalry, Mark II. { large	...	30*	50*	...	...	...	...
‡Reversible— No. 1 size	100	...	...	100†	50*	20	...
‡Reversible— No. 2 size	...	...	...	...	50*	80	100
	100	100	100	100	100	100	100

* These will not be placed in mobilization stores for use with saddlery until the store of bits, portmouth, saddlery, is exhausted. One size only of the latter pattern is kept.

† Also 5 per cent. of "Bits, bridoon, pattern 1884," with chains of five links.

‡ New pattern Army Service Corps and Royal Artillery pole-draught sets of harness only are to have this pattern of bit for the present. The portmouth bit is to be used in lieu for other draught services until existing stock is exhausted.

Collars, Head.

9. Percentages of sizes.

Pattern and size.	Universal saddlery.				Harness.	
	Cavalry. Light.	Cavalry. Heavy.	Mounted infantry.	Royal Artillery, Royal Engineers, and Army Service Corps.	Artillery.	Royal Engineers, Army Service Corps, and transport.
Cavalry { small	80	20	100	10	10	...
Cavalry { large	20	80	...	90	90	...
Royal Artillery pattern	...	...	...	*	*	...
Army Service Corps pattern	...	...	...	...	...	100
	100	100	100	100	100	100

* The R.A. pattern will be issued until store is exhausted, and the Mark III to all services except with A.S.C. harness.

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Cruppers and Dock-pieces.

10. Only 6 per cent. of the Army Service Corps pattern harness cruppers are to have dock-pieces.

Dock-pieces of General Service cruppers, when issued, need not be used, but turned up.

Leathers, Stirrup.

11. Percentages of sizes.

Sizes.	Universal saddlery.				Harness.
	Cavalry.		Mounted infantry.	Royal Artillery, Royal Engineers, and Army Service Corps.	Drivers'.
	Light.	Heavy.			
Short	80	50	100	50	100
Long	20	50	...	50	...
	100	100	100	100	100

Neck-collars and Hames.

12. The registered horses will bring their own neck-collars, for use if a service collar cannot be fitted suitably for immediate work.

For tables of percentages of service collars *see* paragraph 142K.

The sizes of service hames differ by inches from 22 to 25 inches.

The service neck collars differ in sizes by half inches, and vary from 20 to 25½ inches.

Service hames of suitable sizes and of the patterns described in §§ 7883 and 7884, *List of Changes*, *i.e.*, the General Service, Mark III., the Pole-Draught, and the Army Service Corps patterns, with detachable ham-chains, will fit any civilian pattern, or service collar.

The size of hame need not necessarily correspond with the size of collar. Each service hame will generally fit a collar two sizes below or above its own marked size, civilian pattern pipe-collars excepted.

A pipe-collar is closed at the top, and is V-shaped at the throat, The shape of the throat necessitates a full-sized hame being used, so as to place the draught-arm sufficiently high.

Pads, Collar, Zinc.

13. Percentages of sizes.

Pattern and size.	For neck-collars.		Remarks.
	Up to 21½ inches.	22 inches and upwards.	
Mark II. { small	100	...	A 23-inch collar narrow at the top will take a small size pad.
{ large	...	100	

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Pannels, Hair, for Luggage Saddles.

14. Hair pannels flatten after a few days' wear, and in consequence the girths will then be worn two or three holes shorter than originally fitted.

The saddle blanket must not be carried under the saddle with hair pannels, as it will raise the saddle too high off the animal's back, and cause the girth and surcingle to be too short. It will be carried in the vehicle, when pannels are in use.

Saddles.

Percentages of sizes.

15.

	Universal. Sizes.				Total.	Harness.			
						Drivers'.		Luggage.	
	0	1	2	3		Large.	Small. *	Large.	Small. †
Cavalry { light	...	40	50	10	100	...	...	...	...
Cavalry { heavy	...	25	50	25	100	...	...	...	...
Mounted Infantry	100‡	...	...	...	100	...	...	...	...
Royal Horse Artillery	...	20	50	30	100	100	...	100	...
Field Artillery, Royal Engineers, Army Service Corps, and Regimental Transport	...	10	50	40	100	100	...	100	...

* For cobs only, 100 per cent.
† For machine-gun Infantry and mule harness only, 100 per cent.
‡ Only when horsed with animals under 15 hands (cobs).

Stretching of Leather.

16. It should be noted that all new leather subject to strain elongates from ½ an inch to 1 inch in 12 inches, according to width and substance, and whether it is subject to strain when wet from sweat or rain.

Bit-heads, throat-lashes, breast-plates, girths, and surcingles will stretch to the maximum.

Punching Straps.

17. In punching straps the correct size of punch should, whenever possible, be used, so that holes similar to those already in the straps may be made.

Where it can be done without spoiling the appearance of the strap by punching too near the point, a spare hole or more should be punched above or below that in use.

Ropes, Head.

18. These are to be held as camp equipage only, on active field service; and, on mobilization, omitted from the sets of harness and saddlery.

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Ropes, Heel.

19. The usual proportion is one per horse ; but, for active field service, 15 per cent. in addition will be stored for unruly horses, for which two each are to be used. Horses requiring two ropes will carry them on the march.

Rings, Clip.

20. When hames are not fitted with terret-rings for long-rein driving, clip rings—to be closed on the top eye of the hames—are to be used for that purpose, and will be stored accordingly with the sets of harness for mobilization, at the rate of four rings per set of long reins.

Straps, Back.

21. When back-pads are not stored with the sets of harness, two backstraps per set of long reins are to be used in long-rein driving, and stored accordingly.

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APPENDIX VIIIb.

DETAILS OF HARNESS AND SADDLERY.

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Equipt.
1868

SADDLERY—Officers'.

Sets.

TABLE 1.	R.A., R.E., A.S.C., and Mounted Infantry.		Remarks.
	Peace.	War.	
Woolwich Section No. 2.			
Ropes, head, cotton, with leather billet	1	—	Personal equipment only. For camp and war the G.S. pattern will be used. *See* para. 2 of Instructions at end of table.
Woolwich Section No. 5.			
SADDLERY, OFFICERS'.			
Bits, bridoon, with reins ..	1	1	
Bits, port-mouth, with bridle-head	1	1	Until existing store is exhausted, then reversible pattern bits and bridle-heads. Mounted Infantry are to have latter pattern.
Bits, port-mouth, reversible, heads, bridle ..	—	—	When reversible bit is issued.
Breast-plates	1	1	
Cases, horse-shoe, near ..	1	1	
Cases, horse-shoe, off ..	1	1	
Chains, curb..	1	1	Only issued with "bits, portmouth, with bridle-head."
Collars, head	1	1	
Cruppers	—	—	5 per cent. may be issued.
Girths, web	2	2	
Leathers, stirrup	2	2	
Panneis .. .. pair	1	—	To be replaced by "blankets, saddle," for war. *See* para. 1 of Instructions at end of table.

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SADDLERY—Officers'—*continued.*

TABLE 1—*continued.*	R.A., R.E., A.S.C., and Mounted Infantry.		Remarks.
	Peace.	War.	
Woolwich Section No. 5 —continued.			
Reins, portmouth bit ..	1	1	
Saddles	1	1	Steel arch, universal, 0 size, to be issued when animals are under 15 hands.
Skins, lamb	1	—	"R.A." pattern for R.A. and R.E.; "transport" pattern for A.S.C.
Straps, cloak, and wallet	2	2	
Straps, cloak, centre ..	1	1	
Straps, girth	4	4	
Straps, wallet	2	2	For Mark I wallets only.
Surcingles, leather.. ..	1	1	
Wallets .. .. pairs	1	1	
Woolwich Section No. 6.			
ARTICLES OF G.S. HARNESS, AND UNIVERSAL SADDLERY.			
Blankets, saddle	—	1	
Irons, stirrup, G.S.	2	2	
Numnahs, felt	1	1	
Bits, portmouth, reversible, No. 1 size	—	—	Except No. 2 size (largest) is specially demanded.
Runners, stirrup-leather ..	2	2	
Straps, baggage	3	3	

Instructions.

1. Hair-pannels in use with saddles will, on mobilization, be left at the peace station of the unit, and saddle-blankets taken into use instead.

2. Head-ropes are not included in sets of saddlery for war, but under camp equipment.

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SADDLERY.—Household Cavalry.

TABLE 2.	Sets. Peace.	War.	Remarks.
SADDLERY, HOUSEHOLD CAVALRY.			
Woolwich Section No. 6.			
Bits, bridoon, with head and reins	1	1	
Bits, portmouth	1	1	Sizes as may be ordered.
Breast-plates	1	1	Not required with those sets having breast-piece.
Cheek-pieces	2	2	Per portmouth bit.
Chains, collar	1	—	Head-rope instead for war. *See* Instructions at end of table.
Collars, head, parade ..	1	1	.. ..
Collars, head, stable ..	1	1	.. ..
Cruppers	—	—	As required.
Frogs, sword, saddle ..	1	1	Frogs, saddle, farriers, will be issued in lieu to farriers, until stock is exhausted.
Girths, web	1	1	
Head-pieces	1	1	
Numnahs, felt	1	1	G.S. pattern when store of H.C. pattern is exhausted.
Ornaments, stirrup-leather	2	2	
Reins, portmouth bit ..	1	1	
Straps, baggage	3*	3*	G.S. pattern when existing store of these is exhausted.
Straps, cloak, and wallet	2	2	
Straps, cloak, centre ..	1	1	
Straps, shoe-case	1	1	
Skins, sheep, black	1	—	1st L.G. and R.H.G.
Skins, lamb, white	1	—	2nd L.G.
Surcingles, leather	1	1	
ARTICLES OF SADDLERY, UNIVERSAL.			
Blankets, saddle	1	1	
Breast-pieces	—	—	4 per squadron.
Buckets, carbine, magazine	1	1	1 per set, except for W.O. and N.C.O. armed with pistols.
Buckets, lance	—	—	2 per exercise lance, for peace only.

* Per N.C.O. and man.

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SADDLERY—Household Cavalry—*continued.*

TABLE 2—*continued.*	Peace.	War.	Remarks.
Woolwich Section No. 6 —continued.			
Cases, horse-shoe, saddlery ..	1	1	H.C. pattern, converted, will be issued until store is exhausted.
Irons, stirrup, G.S., Mark II	2	2	
Leathers, stirrup	2	2	Ditto, or L. size, G.S.
Pannels, numnah .. pairs	1	1	
Protectors, cape	1	1	
Saddles, steel-arch, with V-girth attachment	1	1	Sizes as may be ordered.
Straps, supporting, front	—	—	8 per squadron.
Straps, supporting, rear	—	—	4 „
Straps, trace	—	—	8 „
Traces, saddlery .. pairs	—	—	4 „
Tugs, trace	—	—	8 „
Wallets, steel-arch saddles pairs	1	1	

Instructions.

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Head-ropes are not included in sets of saddlery for war, but under camp equipment.

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SADDLERY—Universal.

For Army Service Corps, Cavalry, Mounted Infantry, Royal Artillery, and Royal Engineers.

(Infantry Regimental Transport—Set as for R.A.)

(Eq. F.)

Sets

TABLE 3.	A.S.C., Cavalry, R.A., and R.E.		Mounted Infantry.		Remarks.
	Peace.	War.	Peace.	War.	
Woolwich Section No. 2.					
Ropes, head	1	—	1	—	In war this forms part of Camp Equipment. *See* para. 2 of Instructions at end of table.
Woolwich Section No. 5.					
Collar, head, R.A.*	1	1	—	—	For R.A., R.E., and A.S.C. only.

* When store of these is exhausted the Mark III collar will be issued to all services, except with A.S. Corps harness.

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SADDLERY—Universal—*continued.*

TABLE 3—*continued.*	A.S.C., Cavalry, R.A., and R.E.		Mounted Infantry.		Remarks.
	Peace.	War.	Peace.	War.	
Woolwich Section No. 6.					
Bits, bridoon, pattern 1884	1	1	*	*	*5 per cent. only allowed, these to have chains of 5 links.
Bits, port-mouth, saddlery, with bridle head and reins	1	1	—	—	Until existing stock is exhausted, then reversible, except for Cavalry, who will receive Cavalry, Mark II.
Bits, port-mouth, reversible, ...	—	—	1	1	No. 1 size.
Bits, port-mouth, reversible, heads, bridle ..	—	—	1	1	
Blankets, saddle	1	1	1	1	*See* note against "pannels."
Breast-pieces	1	1	—	—	Except staff serjeants and trumpeters R.A. (also R.A. mounted band), R.E., and all warrant officers A.S.C., on Transport rolls, who receive breast-plates. For Cavalry, 4 per squadron only.
Breast-plates, pattern 1884	1	1	1	1	Not required with breast-piece. *See also* "Breast-pieces."

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38407 Equip. 1883	**Buckets,** carbine, magazine, dees, iron	.. .. ..	—	—	—	—	†For Cavalry, 1 per set saddlery, except for band-masters, serjeant-master tailor, Band, and ranks armed with pistols. For T.B., R.E., 1 per set of near harness and saddlery, except N.C.O.'s armed with pistols, and trumpeters. For Field Troop, R.E., 1 per set of saddlery, except N.C.O.'s armed with pistols, and trumpeters.
	lance	.. .. ..	1	1	—	—	For regiments armed with lances.
		.. .. ..	2	2	—	—	For regiments armed with lances (Hussar regiments will be supplied with 2 per exercise lance only); and 1 per set of saddlery for signallers, T.B., R.E. Mark I for lancers' stirrup-irons; and Mark II for G.S. stirrup-irons, Marks I and II; and for lancers' stirrup-irons with loop removed.
	rifle, M.L.-M., with two suspending straps	.. .. ..	—	—	1	—	6 per section, T.B., R.E. only.
	signalling flags	.. .. ..	—	—	—	—	1 per set of saddlery, Field Troop, R.E., only (except staff-serjeants and trumpeters).
	tool ..	.. .. ..	1	1	—	—	
54 Gen. No. 7458	**Cases,** horse-shoe, saddlery, pattern 1834 ..	.. .. ..	‡	‡	1	1	‡ 1 only for Cavalry, 2 for R.A., R.E., and A.S.C.
	Collars, head, cavalry ..	.. .. ..	1	1	1	1	For Cavalry, sizes as may be ordered. Small size for M.I.
	Cruppers, saddlery ..	.. .. ..	—	—	—	....	Not exceeding 5 per cent.
	Frogs, sword, saddle ..	.. .. ..	1§	1§	1‖	1‖	§ For R.E., 1 per cavalry sword.
							‖ For N.C.O. only when armed with sword. Frogs, saddle, farriers', will be issued in lieu to farriers until stock is used up.
	Girths, pattern 1884 ..	.. .. ..	1	1	1	1	Small size for M.I., medium size for light cavalry. 80 medium and 20 large size for heavy cavalry. For R.A., R.E., and A.S.C., sizes as ordered.

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SADDLERY—Universal—*continued.*

TABLE 3—*continued.*	A.S.C., Cavalry, R.A., and R.E.		Mounted Infantry.		Remarks.
	Peace.	War.	Peace.	War.	
Woolwich Section No. 6—continued.					
Hooks, lance	1	1	—	—	For regiments armed with lances.
Irons, stirrup, G.S.	2	2	2	2	The lancers' pattern iron will continue in use with lancers until stock is used up.
Leathers, stirrup	2	2	2	2	Short size, pattern 1884, for M.I. For Cavalry, R.A., R.E., and A.S.C., sizes as ordered.
Numnahs, felt	1	1	1	1	
Pannels, saddles, universal .. .. pairs	1	—	—	—	Iron or wood-arch pattern, as necessary. To be replaced by blanket saddle, when stock of universal pannels is used up. *See* para. 1 of Instructions at end of table.
Pannels, numnah .. .. .. ,,	—	—	—	—	50 per cent. of saddles, for use with blanket.
Protectors, cape..	1	1	1	1	
Reins, bridoon, pattern 1884	1	1	¶	¶	¶ 5 per cent.
Reins, reversible bits	1**	1**	1	1	** For R.A., R.E., and A.S.C. only, when reversible bit is used.
Runners, stirrup-leather	2	2	2	2	
Saddles, universal, with V-girth attachment ..	1	1	1	1	0 size for Mounted Infantry only. Other units, sizes as may be ordered. "Steel arch" for Cavalry and Mounted Infantry.

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P.C. A.S.C. 1772 ... 6527					
Straps, baggage	3	3	3	3	Cavalry and R.A., 3 per N.C.O. and man. A.S.C. 3 per warrant officer, N.C.O., and trumpeter of transport branch.
cloak, and wallet	2	2	2	2	
cloak, centre	1	1	1	1	
lance-bucket	2	2	—	—	1 per lance bucket. Mark I for Mark I bucket, and Mark II for Mark II bucket.
shoe-case, pattern 1884	§	§	1	1	§ 1 for Cavalry, 2 for R.A., A.S.C. and R.E.
supporting, front	2	2	—	—	8 per squadron for Cavalry. Not required with breast-plates.
supporting, rear	1	1	—	—	4 per squadron for Cavalry. Not required with breast-plates.
trace	2	2*	—	—	8 per squadron for Cavalry. Not required with breast-plates.
Surcingles, leather, harness	1	1	1	1	
Traces, saddlery .. .. pairs	1	1*	—	—	4 per squadron for Cavalry. Not required with breast-plates.
Tugs, trace	2	2*	—	—	8 per squadron for Cavalry. Not required with breast-plates.
Wallets, universal .. .. .. pairs	1	1	1	1	
SPECIAL FOR MOBILIZATION STORAGE.					
Woolwich Section No. 5.					
Girths, luggage, pieces, extending	—	—	—	—	10 per cent. for all sizes of girths.
Surcingles, leather, harness, straps, extending	—	—	—	—	10 per cent.

38407
Equipt.
1877

* 24 pairs traces, saddlery, only to be held by R.H.A.

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INSTRUCTIONS.

1. Hair pannels in use with saddles (except those of the luggage pattern) will, on mobilization, be left at the peace station of the unit, and saddle-blankets taken into use instead.

2. Head-ropes are not included in sets of saddlery for war but under camp equipment.

Mounted Infantry Saddlery.

3. The breast-plate can be fitted to small cobs by shortening the points of the neck-straps, and cutting off the end button hole of each attachment strap and re-punching fresh holes.

4. *The Head Collar.*—The throat-lash and head of small size Cavalry head collar can be made smaller, if necessary, by cutting off two or three inches from the points, which have been left long and unpunched for this purpose. In special cases the nose-band or back stay may be shortened by cutting and re-stitching.

5. The Reversible Head for Bit must be shortened to the length required at the billet end of the long side, by cutting and re-stitching.

6. *Surcingle, Leather.*—The strap can be cut off and re-sewn from 6 inches to 8 inches up the body to give the length required, and the body can be shortened equally.

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HARNESS—General Service.

For R.A. (Shaft-draught), R.E., A.S.C., and Cavalry and Infantry Regimental Transport, as may be ordered.

Sets.

TABLE 4.	Peace.				War.				Remarks.
	Per single set of Harness.								
	*Lead.		Wheel.		*Lead.		Wheel.		
	Near.	Off.	Near.	Off.	Near.	Off.	Near.	Off.	
Woolwich Section No. 2.									* These columns refer to R.A. (shaft-draught) only.
Ropes, head, cotton..	1	1	1	1	—	—	—	—	*See* para. 7 of Instructions at end of table.
Woolwich Section No. 5.									
Bands, back, $1\frac{3}{4}$-inch	—	—	—	1	—	—	—	1	For all units when store of $2\frac{1}{4}$-inch is exhausted, and for Cavalry, Infantry, and A.S.C. when O.P. transport luggage saddles are in use.
Bands, back, $2\frac{1}{4}$-inch	—	—	—	1	—	—	—	1	Except for A.S.C. and regimental transport when O.P. luggage saddles are in use.

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TABLE 4—*continued.*

	Peace.				War.				Remarks.
	Per single set of Harness.								
	*Lead.		Wheel.		*Lead.		Wheel.		
	Near.	Off.	Near.	Off.	Near.	Off.	Near.	Off.	
Woolwich Section No. 5—continued.									* These columns refer to R.A. (shaft draught) only.
Bits, portmouth: harness, with bridle-head ..	1	1	1	1	1	1	1	1	Until existing store is exhausted, the harness pattern; then No. 2 size reversible. *See* para. 1 of Instructions at end of table.
Bits, portmouth: reversible	—	—	—	—	—	—	—	—	
Bits, portmouth: reversible heads, bridle ..	—	—	—	—	—	—	—	—	
Breechings near, with long strap ..	—	—	1	—	—	—	1	—	
Breechings off	—	—	—	1	—	—	—	1	
Cases, horse-shoe, harness	2	2	2	2	2	2	2	2	*See* para. 2 of Instructions at end of table.
Chains, hame, Mark I	1	1	1	1	1	1	1	1	1 per neck collar.
Collars head, R.A.	1	1	1	1	1	1	1	1	Except for cavalry. When store is exhausted, collar, head, Mark III, will be issued.
Collars breast	—	—	—	—	—	—	—	—	25 per cent. for peace and war, in lieu of a similar number of neck collars, R.A. excepted.
Collars neck	1	1	1	1	1	1	1	1	*See* note "collar, breast." Sizes as may be ordered. *See* para. 3 of Instructions at end of table.
Cruppers, harness	1	1	1	1	1	1	1	1	*See* para. 4 of Instructions at end of table.

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40116 5884	**Girths,**	luggage, leather..		—	—	—	1†	—	—	—	1	† Not issued in peace for regimental transport or A.S.C., until store of web girths is exhausted.
		web		—	—	1	1	—	—	—	--	Only for infantry and A.S.C., until store is exhausted, then leather.
40116 5884	**Hames,** Mark III		pairs	1	1	1	1	1	1	1	1	1 per neck collar. Sizes as may be ordered. *See* para. 5 of Instructions at end of table.
	Leggings, drivers'			1	—	1	—	1	—	1	—	
	Pads, collar, zinc			—	—	1	1	—	—	1	1	L. or S. should be stated when demanding.
	Pannels, L.-A. or W.-A. saddles	drivers'	pairs	1	1	1†	—	—	—	—	—	Until existing store is exhausted, then blankets, saddle, for iron or steel-arch saddles. *See* para. 6 of Instructions at end of table.
		luggage	„	—	—	—	1†	—	—	—	1	† Wood-arch O.P., will be issued, except for R.A., until store is exhausted, and must always be worn with O.P. saddles. Must always be worn with luggage saddle.
54 Gen. No. 7381	**Pieces,** buckling	$1\frac{1}{2}$-inch		1	1	1	1	1	1	1	1	1 per neck collar. R.A. and R.E. only.
		1 „		—	—	1	1	—	—	1	1	1 per neck collar. For cavalry, infantry, and A.S.C. only.
40116 5884	**Reins**	bearing, Mark II		2	2	‡	‡	2	2	‡	‡	1 leading rein, in lieu of 1 bearing rein, per off set having 2 reins, will be issued until stock is exhausted. *See* L. of C. § 8274. ‡ 2 near and 2 off for R.A. and R.E. 1 „ 1 „ cavalry of the line, infantry, and A.S.C.
		driving, long	sets	—	—	—	—	—	—	—	—	One per A. and S. wagon, as ordered, for R.A. For R.E., for war, 1 per G.S., litho., photo., printing, reservoir, and forge wagon. For cavalry, infantry, and A.S.C., 1 per near set of harness in peace, and for war, 1 per G.S., forge, and ambulance wagon.
		side..		--	1	—	1	—	1	—	1	

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HARNESS—General Service—*continued.*

TABLE 4—*continued.*

	Peace.				War.				Remarks.
	Per single set of Harness.								
	*Lead.		Wheel.		*Lead.		Wheel.		
	Near.	Off.	Near.	Off.	Near.	Off.	Near.	Off.	
Woolwich Section No. 5—continued.									* These columns refer to R.A. (shaft draught) only.
Rings, clip	—	—	—	—	—	—	§	—	§ 4 for each set of driving reins, when hames are not fitted with rings for long-rein driving. To be closed on the top eye of the hames (2 rings on each pair of hames).
Saddles, I.-A. { or S.-A. drivers', with V-girth attachment (L)..	1	1	1	—	1	1	1	—	Wood-arch, O.P., will be issued in peace (except to R.A.), until store is exhausted.
Saddles, I.-A. { luggage (L)	—	—	—	1	—	—	—	1	
Straps { back	—	—	¶	¶	—	-	¶	¶	¶ 2 per set of driving reins.
Straps { breeching, short	—	—	1	2	—	—	1	2	For use when vehicle is fitted with pole.
Straps { collar-pad	—	—	2	2	—	—	2	2	Not required for Mark I pad.
Straps { flank	2	2	2	2	2	2	2	2	

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	Straps	girth		‡	‡	‡	4	‡	‡	‡	4	‡ For I.-A. luggage saddle only. Not required for issue with the saddle fitted with V-girth attachment.
		hame		1	1	1	1	1	1	1	1	1 per neck collar. *See* straps, hame, 30-inch, below.
		hip		2	2	2	2	2	2	2	2	If not sewn on cruppers.
40116		luggage, wallet		—	2	—	2	—	2	—	2	For R.A. and R.E. only.
5884		wither { 1½-inch		1	1	1	1	1	1	1	1	When 1½-inch pieces buckling are issued.
54		wither { 1		—	—	1	1	—	—	1	1	„ 1 „ „ „ and when breast collars are used.
Gen. No. 7381	**Traces,** harness	lead	pairs	1	1	—	—	1	1	—	—	For R.A. only.
		short	„	—	—	1	1	—	—	1	1	For R.E., Regimental transport, and A.S.C. only.
		wheel		—	—	1	1	—	—	1	1	
	Tugs, back-band	2¼-inch		—	—	—	2	—	—	—	2	For 2¼-inch back-band.
		1¾ „		—	—	—	2	—	—	—	2	For 1¾-inch back-band.
	Wallets, I.-A. saddles	drivers' ..	pairs	1	1	1§	—	1	1	1	—	Wallets, harness, Mark III, when existing store is exhausted.
		luggage .	„	—	—	—	1§	—	—	—	1	§ Wood-arch if W.-A. saddles, or wallets, harness, Mark III.
	Whips	drivers'		1	—	1	—	1	—	1	—	
		driving		—	—	—	—	—	—	—	—	One per set of driving reins.
		Woolwich Section No. 6.										
	Bits, bridoon, pattern '84			1	1	1	1	1	1	1	1	Except for A.S.C. and regimental transport, when reversible bits are issued.
	Blankets, saddle			—	—	—	—	1	1	1	1	For peace. *See* note "Pannels."
40116 5884	**Collars,** head, Mark III			—	—	1	1	—	—	1	1	When store of R.A. pattern is exhausted collar, head, Mark III, will be issued for all services, other than with A.S. Corps N.P. harness.
	Girths, pattern '84			1	1	1	—	1	1	1	—	Sizes as may be ordered, can only be used with saddles fitted with V-girth attachment.

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HARNESS—General Service—*continued.*

TABLE 4—*continued.*

	Peace.				War.				Remarks.
	Per single set of Harness.								
	*Lead.		Wheel.		*Lead.		Wheel.		
	Near.	Off.	Near.	Off.	Near.	Off.	Near.	Off.	
Woolwich Section No. 6—continued.									* These columns refer to R.A. (shaft draught) only.
Irons, stirrup, G.S...	2	—	2	—	2	—	2	—	
Leathers, stirrup	2	—	2	—	2	—	2	—	S. size for R.A. and R.E. Cavalry as may be ordered.
Numnahs, felt	1	1	1	1	1	1	1	1	These numnahs can be altered to suit all saddles, *vide* § 7065 L. of C.
Reins, bridoon, pattern '84	—	—	1	1	—	—	1	1	Not for R.A. nor R.E., nor for other corps when reversible bit is issued.
Runners, stirrup, leather	2	—	2	—	2	—	2	—	
P.C. A.S.C. 1772 ... 6557 **Straps** — baggage	—	3	—	3	—	3	—	3	3 per driver A.S.C.
Straps — cloak and wallet, pattern '84	2	—	2	†	2	—	2	†	† Also 2 per off set for peace and war, except R.A. and R.E.
Straps — cloak centre	1	—	1	—	1	—	1	—	
Straps — neck (A.S.C. pattern)	—	—	—	—	—	—	—	—	1 per collar, breast, G.S.
Surcingles, leather, harness	1	1	1	1	1	1	1	1	Not required if luggage transport saddle is used.

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SPECIAL FOR MOBILIZATION STORAGE.									
Bits, snaffle, van	—	—	—	—	—	—	—	—	None for horse or field batteries; but other units, 20 per cent. in lieu of portmouth bits. *See* para. 1 of Instructions at end of table.
Girths, luggage, pieces, extending ..	—	—	—	—	—	—	—	—	40 per cent.
Surcingles, leather, harness, straps, extending	—	—	—	—	—	—	—	—	40 per cent., except horse and field batteries, which are allowed only 20 per cent. of each.
Straps, hame, 30-inch	—	—	—	—	—	—	—	—	1 per neck collar.
Bits, portmouth, reversible, heads, bridle	—	—	—	—	—	—	—	—	In the same proportion as bits, snaffle, van. *See* para. 8 of Instructions at end of table.

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Instructions to Guide Storage for Mobilization with Registered Horses.

1. For G.S. pattern harness there are to be 80 per cent. of portmouth (until existing stock is exhausted, then the reversible), and 20 per cent. of snaffle, van bits.

2. Shoe-cases will not hold shoes of any size larger than No. 8, therefore Nos. 9 and 10 shoes, stored for registered heavy draught horses, are to be carried instead in the wagon box for active field service.

3. Neck-collars of registered horses are to be purchased with the horses on mobilization, for use until the service pattern from store can be fitted instead. Where those stored for a unit are found to be too small, larger sizes will be obtainable in exchange, on requisition, from ordnance depôts on the lines of communication.

4. When G.S. pattern cruppers are issued, the dock need not be used with fractious horses, but turned up.

5. For long-rein driving, hames not fitted with terret rings are to be provided with clip-rings, at the rate of four rings (to be closed on the top eye of the respective hames) per set of long reins; also with G.S. harness (having no back-pads), two back-straps per four clip-rings are required, and should be stored accordingly.

6. Hair pannels in use with saddles (except those of the luggage pattern) will, on mobilization, be left at the peace station of the unit, and saddle-blankets taken into use instead.

7. Head-ropes are not included in sets of harness for war, but under camp equipment.

8. With snaffle van bits, in lieu of portmouth pattern, for horses with tender mouths, or requiring a larger mouthpiece, the reversible head is necessary. § 7166 L. of C.

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HARNESS.—Machine Gun.

For Cavalry (also Mounted Infantry), and Infantry.

Sets.

TABLE 5.	Number per Set of Harness. Peace and War. Cavalry.* Near.	Cavalry.* Off.	Infantry.†	Remarks.
Woolwich Section No. 2.				
Ropes, head, cotton ..	1	1	1	For Peace only. *See* Instructions at end of table.
PACK-SADDLERY, G.S.				
Woolwich Section No. 27.				
Bits, bridoon	—	—	1	
HARNESS AND SADDLERY.				
Woolwich Section No. 5.				
Bands, back, 1¾-inch ..	—	1	—	
Bits, port-mouth { reversible ..	1	1	1	
{ reversible, heads, bridle	1	1	1	
Breechings, machine gun { near ..	1	—	—	
{ off ..	—	1	—	
Cases, horse-shoe, harness	—	1	—	
Chains, hame, Mark I ..	—	1	—	
Collars { breast, machine gun	1	—	—	
{ neck	—	1	—	Sizes as may be ordered.
Cruppers, machine gun ..	1	1	—	
Girths, luggage	—	1	1	
Hames, Mark III .. pairs	—	1	—	Sizes as may be ordered.
Leggings, drivers' ..	1	—	—	
Pads, collar, zinc	—	1	—	L. or S. should be stated when demanding.

* If animals are less than 15 hands, this harness will not fit them.
† For cobs or mules less than 15 hands.

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HARNESS—Machine Gun—*continued.*

TABLE 5—*continued.*	Number per Set of Harness. Peace and War. Cavalry* Near.	Cavalry* Off.	Infantry.†	Remarks.
Woolwich Section No. 5—continued.				
Pannels, I.-A. saddles, luggage .. .. pairs	—	1	1	Pannels must always be worn with luggage saddle.
Pieces, buckling, machine gun	—	1	—	
Reins bearing, A.S.C. ..	1	1	—	
Reins leading, machine gun..	—	1	1	
Reins side, A.S.C.	—	1	—	
Runners, stirrup-leather..	2	—	—	
Saddles, iron-arch, luggage L. ..	—	1	—	W.-A. luggage, transport, will be issued until store is exhausted.
Saddles, iron-arch, luggage S. ..	—	—	1	W.-A. luggage, transport, will be issued until store is exhausted.
Straps collar-pad	—	2	—	Not required for Mark I pad.
Straps flank, machine gun 22-inch	2	—	—	
Straps flank, machine gun 19 „	—	2	—	
Straps girth	—	4	4	Only required with I.-A. luggage saddle.
Straps hame, A.S.C.	—	1	—	
Straps luggage, wallet ..	—	2	2	
Straps neck, machine gun ..	1	—	—	
Straps wither, 1-inch	—	1	—	
Traces, machine gun, pairs	1	1	—	
Tugs, back-band, machine gun near ..	—	1	—	
Tugs, back-band, machine gun off ..	—	1	—	
Wallets, I.-A., saddles, luggage	—	1	1	Or harness, Mark III.
Whips, drivers'	1	—	1	
SPARE PARTS.				
Straps, machine gun flank, 22-inch ..	—	2	—	Used when the breast-collar is worn on off horse.
Straps, machine gun connecting breeching, pairs	1	—	—	Used when the neck-collar is worn on the near horse.

* If animals are less than 15 hands, this harness will not fit them.
† For cobs or mules less than 15 hands.

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HARNESS—Machine Gun - *continued.*

TABLE 5—*continued.*	Number per Set of Harness. Peace and War. Cavalry.* Near.	Cavalry.* Off.	Infantry.†	Remarks.
HARNESS, MULE, BREAST, G.S.				
Woolwich Section No. 5.				
Bands, back, Mark I ..	—	—	1	
Breechings	—	—	1	
Collars breast, Mark II	—	—	1	
Collars head (without chapes and rings)	—	—	1	
Cruppers	—	—	1	
Straps crupper, Mark I (with hook) ..	—	—	1	
Straps neck, Mark II ..	—	—	1	
Straps wither, Mark I	—	—	1	
Traces, long, Mark II, pairs	—	—	1	
Tugs, back-band, Mark I near ..	—	—	1	
Tugs, back-band, Mark I off ..	—	—	1	
Woolwich Section No. 6.				
SADDLERY (UNIVERSAL).				
Bits, bridoon, pattern 1884	1	1	—	
Blankets, saddle	1	1*a*	1*a*	*a* War only.
Cases, horseshoe, saddlery	1	—	1	
Collars, head, cavalry ..	1	1	—	
Frogs, sword, saddle ..	1	—	—	
Girths, pattern 1884 ..	1	—	—	Sizes as may be ordered. Can only be used with saddles fitted with V-girth attachment.
Irons, stirrup, G.S. ..	2	—	—	
Leathers, stirrup	2	—	—	Sizes as may be ordered.
Numnahs, felt	1	1	1	Can be altered to suit all saddles. *Vide* § 7065 L. of C.
Protectors, cape	1	—	—	
Reins, bridoon, pattern '84	1	1	1	

* If animals are less than 15 hands, this harness will not fit them.
† For cobs or mules less than 15 hands.

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HARNESS—Machine Gun—*continued.*

TABLE 5—*continued.*	Number per Set of Harness. Peace and War. Cavalry.* Near.	Cavalry.* Off.	Infantry.†	Remarks.
Woolwich Section No. 6—continued.				
Runners, stirrup leather..	2	—	—	
Saddles, iron arch, universal	1	—	—	
Straps { baggage ..	—	3	—	
Straps { cloak and wallet	2	—	—	
Straps { centre	1	—	—	
Straps { shoe case, pattern 1884 ..	1	—	—	
Surcingles, leather harness	1	1	1	Not required if O.P. luggage transport saddle is used.
Wallets, I.A. or S.A. saddles, universal .. prs.	1	—	—	

* If animals are less than 15 hands, this harness will not fit them.
† For cobs or mules less than 15 hands.

Instructions to Guide Storage for Mobilization with Registered Horses.

54
Gen. No.
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1. Head-ropes are not included in sets of harness for war, but under camp equipment.

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HARNESS—POLE DRAUGHT, R.A.

Sets.

TABLE 6.	Peace and War. No. per Set. Near.	Off.	Remarks.
Woolwich Section No. 2.			
Ropes, head, cotton.. ..	1	1	For peace only. Will be supplied with camp equipment for war. *See* para. 3 of Instructions at end of table.
Woolwich Section No. 5.			
ARTICLES OF HARNESS, G.S.			
Bits, port-mouth { reversible	1	1	Sizes as may be ordered.
„ heads, bridle	1	1	
Cases, horse-shoe, harness ..	2	2	*See* para. 1 of Instructions at end of table.
Chains, hame, Mark I ..	1	1	
Collars { head, R.A. ..	1	1	Until store is exhausted, then Mark III.
neck	1	1	Sizes as may be ordered. *See* para. 2 of Instructions at end of table.
Pads, collar	—	—	2 per team. L. or S., according to size of collars.
Pannels, I.-A. saddles, drivers' .. .. .. pairs	1	1	Peace, until store is exhausted; then blankets, saddle. *See* para. 4 of Instructions at end of table.
Pieces, buckling, 1½-inch ..	1	1	
Reins { bearing, Mark II ..	2	1	
leading	—	1	Until store is exhausted, then additional bearing rein.
side	—	1	
Saddles, I.-A. or S.-A., drivers'	1	1	L. size.
Straps { collar-pad, Mark I	—	—	2 per collar-pad.
hame	1	1	*See* straps, hame, 30-inch.
flank	2	2	
wither, 1½-inch ..	1	1	
Traces, harness { wheel .. pairs	1	1	
short .. „	1	1	Not supplied with wheel.
Wallets, I.-A. saddle, drivers' pairs..	1	1	Or harness, Mark III.
Whips, drivers'	1	—	

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HARNESS—Pole Draught, R.A.—*continued.*

TABLE 6—*continued.*	Peace and War. No. per Set. Near.	Off.	Remarks.
Woolwich Section No. 5—continued.			
HARNESS, POLE-DRAUGHT, R.A.			
Breechings	1	1	
Cruppers	1	1	
Hames .. .. pairs	1	1	
Hooks, crupper	1	1	
Leggings, drivers'	1	—	
Rings, iron, 3-inch	1	1	
Straps { breast, breeching	1	1	
Straps { pole-bar	—	—	2 per vehicle supplied with pole-bar.
Woolwich Section No. 6.			
ARTICLES OF SADDLERY, UNIVERSAL.			
Bits, bridoon	1	1	
Blankets, saddle	1	1	For war. For peace, *see* remarks against pannels.
Girths, pattern '84	1	1	Sizes as may be ordered.
Irons, stirrup, G.S.	2	—	
Leathers, stirrup, pattern '84	2	—	S. size.
Numnahs, felt	1	1	
Runners, stirrup-leather ..	2	—	
Straps { baggage	—	3	Per N.C.O. and man.
Straps { cloak { and wallet	2	2	
Straps { cloak { centre ..	1	—	
Surcingles, leather, harness	1	1	

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HARNESS, Pole Draught, R.A.—*continued.*

TABLE 6—*continued.*	Peace and War. No. per Set.		Remarks.		
	Near.	Off.		Batteries.	Ammn. Columns and Parks.
SPECIAL FOR MOBILIZATION STORAGE.					
Bits, snaffle, van	—	—	Per cent., in lieu of similar numbers of reversible bits	—	20
Girths, luggage, pieces, extending	—	—	Per cent. for all sizes of girths	20	40
Surcingles, leather, harness, straps, extending	—	—	Per cent.	20	40
Straps, hame, 30-inch ..	—	—	Per cent.	100	100

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Instructions to Guide Storage for Mobilization with Registered Horses.

1. Shoe-cases will not hold shoes of any size larger than No. 8; therefore Nos. 9 and 10 shoes, stored for registered heavy draught horses, are to be carried in the wagon box for active field service.

2. Neck-collars of registered horses are to be purchased on mobilization, for use until the Service pattern from store can be fitted instead. When those stored for a unit are found to be too small larger sizes will be obtainable in exchange, on requisition, from Ordnance Depôts on the line of communications.

3. Head-ropes are not included in sets of harness for war, but under camp equipment.

4. Hair pannels in use with saddles (except those of the luggage pattern) will, on mobilization, be left at the peace station of the unit and saddle-blankets taken into use instead.

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HARNESS:—A.S.C., N.P.

For A.S.C., R.E., and Cavalry and Infantry Regimental Transport, as may be ordered.

Sets.

TABLE 7.	Wheel.				Remarks.
	Peace.		War.		
	Near.	Off.	Near.	Off.	
Woolwich Section No. 2.					
Ropes, head, cotton	1	1	—	—	*See* para. 6 of Instructions at end of table.
Woolwich Section No. 5.					
HARNESS. A.S.C.					
Bands back, 1¾-inch	—	1	—	1	
Bands belly	1	1	1	1	
Breechings, Mark II	1	1	1	1	
54 Gen. No. 7381 **Collars** breast, Mark II	—	—	—	—	25 per cent. for peace and war, in lieu of a similar number of neck collars.
54 Gen. No. 7381 **Collars** head	1	1	1	1	
Cruppers, without dock-pieces ..	1	1	1	1	
Dock-pieces	—	—	—	—	6 per cent. of cruppers. *See* para. 1 of Instructions at end of table.

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Hames .. .. pairs	—	—	—	—	1 per neck collar.	
Pads, back	1	1	1†	1†	† Not for R.E. units, until their vehicles are fitted for pole-draught.	
Pieces, buckling, 1-inch	—	—	—	—	1 per neck collar.	
Reins bearing	1	1	1	1		
Reins driving, long .. .. sets	1	—	*	—	*1 per waggon—general service, forge, ambulance, or Royal Engineer general service, forge, litho., photo., printing, and reservoir.	
Reins side	—	1	—	1		
Straps carrying, Mark II	2	2	2	2		
Straps hame	—	—	—	—	1 per neck collar. *See* straps, hame, 30-inch.	
Straps neck	—	—	—	—	1 per neck collar.	
51 Gen. No. 7381 **Traces** attachments, hames .. pairs	1	1	1	1	For use with neck collar, to extend the trace.	
Traces chains .. .. „	1	1	1	1		
Traces hooks .. .. „	1	1	1	1		
Traces pieces, leather .. „	1	1	1	1		
Traces ropes .. .. .. „	1	1	1	1		
Tugs, back-band, 1¾-inch .. „	—	2	—	2		
HARNESS, G.S.						
Bits, portmouth, harness, with bridle-head	1	1	—	—	Until store is exhausted, then the reversible bit.	
Cases, horse-shoe, harness	2	2	2	2	*See* para. 3 of Instructions at end of table.	
Chains, hame, Mark I	—	—	—	—	1 per neck collar.	
Collars, neck	1	1	1	1	Sizes as may be ordered. *See* para. 4 of Instructions at end of table. *See* also note against "Collars, breast."	
Girths luggage, leather	—	—	—	1		
Girths web	1	1	—	—	For W.-A. saddles.	
Leggings, drivers'	1	—	1	—		
Pads, collar	1	1	1	1	When demanded L. or S. should be asked for.	

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HARNESS:—A.S.C., N.P.—*continued.*

TABLE 7—*continued.*

	Wheel.				Remarks.
	Peace.		War.		
	Near.	Off.	Near.	Off.	
Woolwich Section No. 5—continued.					
Pannels, I.-A. saddles { drivers' .. pairs	1*	—	—	—	Until store is exhausted, then blankets. *See* para. 5 of Instructions at end of table.
Pannels, I.-A. saddles { luggage .. „	—	1*	—	1	*W.-A., O.P. will be issued until store is exhausted. Pannels must always be worn with luggage saddles, and with drivers' W.A, O.P. saddle.
Saddles, iron-arch { or S.-A. drivers' (L)	1†	—	1	—	†W.A., O.P., until store is exhausted.
Saddles, iron-arch { luggage .. .. (L)	—	1†	—	1	
Straps { collar-pad	2	2	2	2	Not required for Mark I pad.
Straps { girth	—	4	—	4	For I.-A. luggage saddle only.
Straps { wither, 1-inch	1	1	1	1	
Wallets { I.-A. saddles { drivers' .. pairs	—	—	1	—	Wallets, harness, Mark III will be issued when these patterns are exhausted.
Wallets { I.-A. saddles { luggage	—	—	—	1	
Wallets { W.-A. saddles { drivers'	1	—	—	—	
Wallets { W.-A. saddles { luggage	—	1	—	—	
Whips { drivers'	1	—	1	—	
Whips { driving	1	—	§	—	§1 per set of driving reins.

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Woolwich Section No. 6.

HARNESS AND SADDLERY, G.S.

Bits bridoon, patt. '84	1	1	—	—	When reversible bit is not issued.
Bits portmouth, reversible	—	—	1	1	Large size, No. 2. *See* bits, snaffle, van, below. *See* para. 2 of Instructions at end of table.
Blankets, saddle	—	—	1	1	
Girths, pattern '84	—	—	1	—	Sizes as may be ordered.
Irons, stirrup, G.S.	2	—	2	—	
Leathers, stirrup	2	—	2	—	S. Size.
Numnahs, felt	1	1	1	1	These numnahs can be altered to suit all saddles, *vide* § 7065 L. of C.
Reins, bridoon, patt. '84	1	1	—	—	Only when bridoons are issued.
Runners, stirrup, leather	2	—	2	—	
Straps back	—	—	‡	—	‡2 per set of driving reins, in lieu of the back-pads, for R.E. units, until their vehicles are fitted for pole-draught.
Straps baggage	—	3*	—	3*	*3 for all drivers, A.S.C.
Straps cloak and wallet	2	2	2	2	
Straps cloak centre	1	—	1	—	
Surcingles, leather, harness	1	1	1	1	Not required if luggage O.P. transport saddle is issued.

SPECIAL FOR MOBILIZATION STORAGE.

Woolwich Section No. 5.

Bits, snaffle, van	—	—	—	—	20 per cent. in lieu of a similar number of reversible or G.S. bits. *See* para. 2 of Instructions at end of table.
Breechings, A.S.C., straps, extending	—	—	—	—	40 per cent.
Girths, luggage, pieces, extending	—	—	—	—	40 per cent. for all sizes of girths.
Surcingles, leather, harness, straps, extending	—	—	—	—	40 per cent.
Straps, hame, 30-inch	—	—	—	—	1 per neck collar.
Bits, portmouth, reversible, heads, bridle	—	—	—	—	In the same proportion as bits, snaffle, van. *See* para. 7 of Instructions at end of table.

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INSTRUCTIONS TO GUIDE STORAGE FOR MOBILIZATION WITH REGISTERED HORSES.

1. Only 6 per cent. of the cruppers in A.S.C. new pattern harness sets are to have dock-pieces.

2. For sets of A.S.C. new pattern harness, there are to be 80 per cent. of reversible, and 20 per cent. of the snaffle van pattern bits.

3. Shoe-cases will not hold shoes of any size larger than No. 8; therefore Nos. 9 and 10 shoes, stored for registered heavy draught horses, are to be carried instead in the wagon box, for active field service.

4. Neck-collars of registered horses are to be purchased on mobilization, for use until the service pattern from store can be fitted instead. Where those stored for a unit are found to be too small, larger sizes will be obtainable in exchange, on requisition, from Ordnance Depôts on the line of communications.

5. Hair pannels in use with saddles (except those of the luggage pattern) will, on mobilization, be left at the peace station of the unit, and saddle-blankets taken into use instead.

6. Head-ropes are not included in sets of harness for war, but under camp equipment.

7. With snaffle van bits, in lieu of portmouth pattern, for horses with tender mouths, or requiring a larger mouthpiece, the reversible head is necessary. §7166 L. of C.

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PACK-SADDLERY, G.S., MARK III OR IV.

Set.

N.B.—Mark IV has tinned buckles and a steel-arch saddle-tree, and will not come into use until existing store of other marks is exhausted.

TABLE 8.	No.	Remarks.
Woolwich Section No. 27.		
Bits, bridoon	1	
Breechings, Mark*	1	* Mark III or IV (if ordered).
Collars { breast, Mark* ..	1	
Collars { head „ * ..	1	
Chains, collar, G.S.	1	
Covers, 6′ × 6′, G.S.	1	
Cruppers, Mark†	1	† "Large" or "small," also Mark III or IV (if ordered).
Girths, Mark* .. pairs	1	
Pannels, Mark†	1	
Reins, bridoon, Mark ‡ ..	1	‡ Mark I or II (if ordered).
Ropes, Mark* .. pairs	2	
Surcingles, Mark §	1	§ Mark II or III (if ordered).
Straps { baggage .. pairs	2	
Straps { girth¶	4	¶ "Mark II" for Mark IV trees, and those trees of Mark III that may have mortices in the bar for their attachment.
Trees, mark †..	1	

HARNESS.

MULE, BREAST, 10-SPAN.

Sets.

TABLE 9.	10-Span.		Remarks.
	Near.	Off.	
Woolwich Section No. 5.			
Bits	5	5	Tinned and twisted, with four rings.
Breechings	1	1	With loin-strap.
Bridles { near	5	—	With winkers, neck-strap, and thong.
Bridles { off..	—	5	With winkers, neck-strap, and thong.

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HARNESS—*continued.*

TABLE 9—*continued.*	10-Span. Near.	10-Span. Off.	Remarks.
Woolwich Section No. 5—continued.			
Chains, trek { 7 ft. 2 in. ..	1	—	Hook at one end, oval link at other.
8 „ 6 „ ..	1	—	Ring at one end, oval link at other.
Collars, breast { lead ..	4	4	With four tugs.
wheel ..	1	1	With four tugs, and belly-band in two pieces.
Pads, back	1	1	
Reins { lead .. .. sets	1	—	Leather, with four pairs of removable couplings.
wheel .. „	1	—	Leather, with one pair of removable couplings.
Straps { back	4	4	
neck	5	5	
pole	1	1	
Traces { lead .. pairs	1	1	Not to be supplied from England for service in South Africa. § 6765 L. of C.
wheel .. „	4	4	
Swingletrees .. sets	3	—	Consisting of one large and two attached bars.
ARTICLES OF G.S., MULE, BREAST-HARNESS.			
Cruppers	1	1	

HARNESS.

MULE, BREAST, &c.

Sets.

TABLE 10.	Required for one single set of: Lead.	Wheel.	Remarks.
Woolwich Section No. 5.			
Bands, back	—	1	
Bits, with head	1	1	
Breechings	—	1	

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HARNESS—*continued.*

TABLE 10—*continued.*	Required for one single set of		Remarks.
	Lead.	Wheel.	
Woolwich Section No. 5—continued.			
Chain, collar	1	1	
Collars breast, Mark II ..	1	1	Mark II is present pattern, but will not come into use until existing store is exhausted.
Collars head (with chapes and rings) ..	1	1	
Cruppers	—	1	
Reins, driving double (or tandem)	1	—	
Reins, driving single	—	1	Not used when driving two animals abreast.
Straps back	1	—	
Straps belly	1	—	
Straps neck, Mark II ..	1	1	
Straps wither	—	1	
Traces long, Mark II pairs	1	1	*See* remarks on collars, breast. Mark II traces can only be used with Mark II breast-collar, and *vice versâ*.
Traces short .. „	1	—	
Tugs backband near ..	—	1	Introduced specially for use with machine gun. The 1¾-inch G.S. tug can be used for this harness, except for machine gun.
Tugs backband off ..	—	1	
Tugs trace, for long traces	2	—	
ARTICLES OF G.S. HARNESS.			
Pannels, iron-arch saddles, luggage .. .. pairs	—	1	
Saddles, I.-A., luggage, small	—	1	
Straps, girth, Mark II (or Mark I)	—	4	
Woolwich Section No. 6.			
ARTICLES OF UNIVERSAL SADDLERY.			
Girths, leather, luggage ..	—	1	
Surcingles, leather, harness, Mark II	—	1	When W.-A. saddles, R.A., O.P., luggage, and I.-A., luggage, are issued.

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APPENDIX VIIIc.

(*Referred to in Paragraphs* 41 *and* 142M.)

Components, Accessories, Spare Parts, Wagon and Cart Equipment of Vehicles.

Description of Articles, &c.	Number or Quantity for									
	Wagon.						Cart.			
	Ambulance.	A. and S., R.A.	G.S. or G.S., R.E.	Forge, G.S. or G.S., R.E.	S.A.A. Limber.	S.A.A. Wagon.	Forage.	Maltese, Mark V*.	S.A.A.	Water-barrel.
A.—*Not demanded or accounted for separately.*										
COMPONENTS.										
Woolwich Section, 3.										
Barrel, water (Mark V wagon)	1	..	..	..	..	..	..	..	..	..
Cushion centre (Mark IV wagon)	1	..	..	..	..	..	..	..	..	..
Cushion front	1	..	..	..	..	..	..	..	..	..
Cushion rear (Marks III and IV wagon)	1	..	..	..	..	..	..	..	..	..
Cushion side long (Mark V wagon)	4	..	..	..	..	..	..	..	..	..
Cushion side short(„ „)	4	..	..	..	..	..	..	..	..	..
Ladders, wagon, ambulance (according to Mark of wagon)	1	..	..	..	..	..	..	..	..	..
Lamps, ambulance left hand	1	..	..	..	..	..	..	..	..	..
Lamps, ambulance right hand	1	..	..	..	..	..	..	..	..	..
Pins, linch, with tread plate	2	..	..	..	..	..	..	..	..	..

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Poles, draught, wagons, ambulance				1	..	..	..	..	..	..	..	..	..
Ropes, lifting, water-barrel (Mark V wagon)				2	..	..	..	..	..	..	..	..	..
Shafts, No. 88, framed (Mark III wagon)			pairs	1	..	..	..	..	..	..	..	..	..
Spanners, ambulance wagon				1	..	..	..	..	..	..	..	..	..
Stretchers, ambulance				2	..	..	..	..	..	..	..	..	..
Washers, plain (Marks III and IV wagon)				4	..	..	..	..	..	..	..	..	..
Wheels, 3rd class, B — No. 148 (hind)				2*a*	..	..	..	2*b*	2*b*	..	..	..	..
„ 152 (fore)				2*a*	..	..	..	..	..	..	..	..	..
„ 148 (hind) (Mark IV wagon)				2	..	..	..	..	..	..	..	..	..
„ 154 (fore) „ „ „				2	..	..	..	..	..	..	..	..	..
„ 145 (hind) „ V „				2	..	..	..	..	..	..	..	..	..
„ 150 (fore) „ „ „				2	..	..	..	..	..	..	..	..	..
Woolwich Section, 4.													
Boxes — grease, 3-lb.				2	2	2	2	2	..	1	1	1	1
limber wagon, S.A. Ammunition				..	..	..	..	1	..	..	..	..	..
Bolts, shaft — Maltese				..	..	..	..	..	..	..	2	..	..
water-barrel				..	..	..	..	..	..	..	..	..	2
Chains, draught — bollard, wagon, G.S., Mark III				..	..	..	2	..	..	..	..	..	..
cart — forage — centre				..	..	..	..	..	..	1	..	..	..
forage — outrigger				..	..	..	..	..	..	1	..	..	..
Maltese				..	..	..	..	..	..	..	2	..	..
water-barrel				..	..	..	..	..	..	..	..	..	2
limber, wagon, S.A. Ammunition				..	..	..	..	1	..	..	..	..	..
pole — No. 1				2*c*	2	2	2*e*	..	..	..	..	..	..
„ 2				2*d*	..	..	2*e*	..	..	..	..	..	..
rear, wagon, G.S., Marks VII to VIII				..	..	2	..	..	..	..	..	..	..
Casks, water, 108 gallons				..	..	..	..	..	..	..	..	..	1
Forge, G.S.				..	..	..	1	..	..	..	..	..	..
Funnels, cart, water-barrel				..	..	..	..	..	..	..	..	..	1
Girths, cart				..	..	..	..	..	..	..	..	..	1
Keys, water tap, carts, water-barrel				..	..	..	..	..	..	..	..	..	1
Nuts, flange, tap, carts, water-barrel				..	..	..	..	..	..	..	..	..	1

a Mark III wagon. *b* Near and off. *c* Mark IV wagon. *d* Mark V wagon. *e* Mark VIII wagon.

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APPENDIX VIIIc—*continued.*

Description of Articles, &c.	Number or Quantity for										
	Wagon.						Cart.				
	Ambulance.	A. and S., R.A.	G.S. or G.S., R.E.	Forge, G.S. or G.S., R.E.	S.A.A. Limber.	S.A.A. Wagon.	Forage.	Maltese, Mark V*.	S.A.A.	Water-barrel.
COMPONENTS—*continued.* *Woolwich Section*, 4—*continued.*										
Pins { linch, 3rd class	2	..	4	4	2	2	2	2	..	2
Pins { shaft (Mark III wagon)	1	..	1	1	..	..	..	..	..	..
Pole, draught, wagon, G.S.	..	..	1	1*c*	..	..	..	..	..	..
Raves wagon { near	..	..	1	1	..	..	..	..	..	..
Raves wagon { off	..	..	1	1	..	..	..	..	..	..
Raves cart, Maltese side { near	..	..	..	..	..	..	..	1	..	..
Raves cart, Maltese side { off	..	..	..	..	..	..	..	1	..	..
Seat and box drivers	1	1	1	1	..	..	..	..	..	..
Shafts, No. 43 (near)	..	..	..	..	..	..	1	..	..	..
Shafts, No. 44 (off)	..	..	..	..	..	..	1	..	..	..
Shafts, No. 45 (near)	..	..	..	..	..	..	..	..	..	1*k*
Shafts, No. 46 (off)	..	..	..	..	..	..	..	..	..	1*k*
Shafts, No. 63 (near)	..	..	..	..	..	..	..	1	..	1*j*
Shafts, No. 64 (off)	..	..	..	..	..	..	..	1	..	1*j*
Shafts, No. 83	..	..	..	..	1	..	..	..	..	..
Shafts, No. 84	..	..	..	..	1	..	..	..	..	..
Shafts, No. 96 (framed) pair	..	..	..	1*k*	..	..	..	..	..	..
Shoes, drag	1	1	1*e*	1	..	..	..	..	..	..

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Swingletrees, No. 3							2*a*	..	2*f*	2*g*	..	..	2	2	..	1*o*
Taps, cart, water-barrel							..	..	..	..	..	..	..	..	..	1
Ties, linch-pin							4	4	4	4	2	2	2	2	2	2
Washers, drag, 3rd class, B							4*b*	..	4	4	2	2	2	2	..	2
Wheels	3rd class, B	147 or 163 (hind)					..	..	2*d*	2*d*	..	..	..	..	..	..
		151 or 164 (fore)					..	..	2*d*	2*d*	..	..	..	..	..	..
		147 (hind)					..	..	2*b*	..	..	..	..	..	..	..
		155 (fore)					..	..	2*b*	..	..	..	..	..	..	..
		165 (hind)					..	..	2*m*	..	..	..	..	..	..	..
		166 (fore)					..	..	2*m*	..	..	..	..	..	..	..
		144 or 162					..	..	..	..	..	..	2	2*n*	..	2*k*
		145 or 167					..	..	..	..	..	..	..	..	..	2*j*
	2nd class, C, No. 201						..	..	..	..	..	..	..	..	2	..
Woolwich Section, 7.																
Vice, bench, saddletreemakers							..	..	..	1	..	..	..	..	..	..
Woolwich Section, 10.																
Locks, pad, 2-inch							..	..	..	..	..	2	..	..	2	..
Woolwich Section, 13.																
Pins, linch, 2nd class							..	4	..	..	..	..	..	..	2	..
Poles, draught, wagon, ammunition and store, R.A., Marks II and II*							..	1	..	..	..	..	..	..	..	..
Straps, securing						sets	1	1	1	1	1	1	1	1	1	1
Shafts	No. 1 (near)						..	..	..	..	..	..	..	..	1	..
	„ 19 (off)						..	..	..	..	..	..	..	..	1	..
Swingletrees, No. 7 or 10							..	2	..	..	..	..	..	..	..	..
Washers, drag, 2nd class, C							..	4	..	..	..	..	..	..	2	..
Wheels, 2nd class	B, No. 28 (fore)						..	2	..	..	..	..	..	..	..	..
	C, „ 35A (hind)						..	2	..	..	..	..	..	..	..	..

a Marks IV and V wagon. *b* Mark V wagon. *c* Mark IV wagon. *d* Marks III and IV wagon.
e Except Mark V wagon. *f* Except Mark III wagon. *g* Mark IV, G.S. *h* Mark II cart.
j Marks III and IV cart. *k* Mark III wagon. *m* Marks VI to VIII wagon. *n* No. 144 only for this cart.
o 2 for Mark VI cart only.

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APPENDIX VIIIc—*continued.*

Description of Articles, &c.	Number or Quantity for									
	Wagon.						Cart.			
	Ambulance.	A. and S., R.A.	G.S. or G.S., R.E.	Forge, G.S. or G.S., R.E.	S.A.A. Limber.	S.A.A. Wagon.	Forage.	Maltese, Mark V*.	S.A.A.	Water-barrel.
B.—*Demanded and accounted for separately.*										
ACCESSORIES.										
Woolwich Section, 3.										
Covers, wagon, ambulance	1	..	..	..	..	..	..	..	..	..
Hoops, bale, wagon, ambulance, Marks IV and V .. sets	1	..	..	..	..	..	..	..	..	..
Woolwich Section, 4.										
Covers { cart { forage	..	..	..	..	..	..	1	..	..	..
cart { Maltese	..	..	..	..	..	..	..	1	..	..
wagon, G.S.	..	1†	1	1	..	..	..	..	..	..
Cups, drinking, cart, water	..	..	..	..	..	..	..	..	..	1
Hoops, bale { cart, forage	..	..	..	..	..	..	1	..	..	..
wagon, G.S.	..	..	1	1	..	..	..	..	..	..
Troughs, water-cart	..	..	..	..	..	..	..	..	..	1

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	Woolwich Section, 13.											
	Covers, wagon, ammunition and store, R.A. ..	..	..	1*	..	..	..	..	..	..	..	..
	Hoops, bale, ammunition and store, R.A. ..	sets	..	1	..	..	..	..	..	..	..	..
	Raves, ammunition and store, R.A.		..	2	..	..	..	..	..	..	..	..
	SPARE PARTS.											
	Woolwich Section, 3.											
	Pins, linch, with tread plate — A (Marks III and IV wagon) ..		1	..	..	..	..	..	..	..	..	..
	Pins, linch, with tread plate — B (Mark V wagons)		1	..	..	..	..	..	..	..	..	..
	Washers, plain (Marks III and IV wagon)		1	..	..	..	..	..	..	..	..	..
	Woolwich Section, 4.											
	Pins, linch, 3rd class		..	..	1	1	..	1	1	1	..	1
71 / 1 / 9135	**Soles**, drag shoe — No. 15 (for shoe No. 17) (Mark III and IV wagons) ..		1	..	..	..	..	..	..	..	..	..
	Soles, drag shoe — No. 15 (for shoe No. 17) (Mark III and IV G.S. wagons, with No. 147 wheel) ..		..	..	1	..	..	..	..	..	..	..
	Soles, drag shoe — No. 15 (for shoe No. 17) (G.S. forge wagon)		..	..	..	1	..	..	..	..	..	..
	Soles, drag shoe — No. 17 (for shoe No. 21) (R.E. wagons) ..		..	..	1	1	..	..	..	..	..	..
	Soles, drag shoe — No. 18 (for shoe No. 24) (Mark V wagon)		1	..	..	..	..	..	..	..	..	..
	Soles, drag shoe — No. 18 (for shoe No. 24) (Mark VI to VIII G.S. wagons)		..	..	1	..	..	..	..	..	..	..
	Swingletrees, No. 3		1	..	1	1	..	..	..	..	..	..
	Washers, drag, 3rd class, B		1*a*	..	1	1	..	1	1	1	..	1
	Woolwich Section, 13.											
	Pins, linch, 2nd class		..	1	..	..	..	..	..	..	1	..
71 / 1 / 9135	**Soles**, drag shoe, No. 3 (for shoe No. 4)		..	1	..	..	..	..	..	..	..	..
	Soles, drag shoe, No. 3 (for shoe No. 4) (Mark IV G.S. wagon, with No. 145 wheel) ..		..	..	1	..	..	..	..	..	..	..
	Swingletrees, No. 7 or 10		..	1	..	..	..	..	..	..	..	..
	Washers, drag, 2nd class		..	1	..	..	..	..	..	..	1	..

* Except baggage and tents wagon. † For baggage and tents wagon. *a* Mark V wagon.

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Description of Articles, &c.	Number or Quantity for									
	Wagon.						Cart.			
	Ambulance.	A. and S., R.A	G.S. or G.S., R.E.	Forge, G.S. or G.S., R.E.	S.A.A. Limber.	S.A.A. Wagon.	Forage.	Maltese, Mark V*.	S.A.A.	Water-barrel.
SPARE PARTS—*continued*.										
Woolwich Section, 18.										
Lashing, tarred, 1¼-inch, 32 feet	..	2	..	..	..	..	..	..	..	..
WAGON EQUIPMENT.										
Woolwich Section, 2.										
Axes felling, curved helve	..	1	1	1		..	..	1	..	..
Axes pick heads, 6½ lbs.	..	1	1	1		..	..	1	..	..
Axes pick helves, 34½-inch	..	1	1	1		..	..	1	..	..
Buckets, water, G.S. canvas	..	..	..	..		6	..	..	6	..
Buckets, water, G.S. leather	..	2	2	2		2	1	1	1	1
Hooks bill	..	1	1	1		..	..	1	..	..
Hooks reaping, large	..	2	2	2		..	..	..	1	..
Shovels, universal	..	1	1	1		..	..	1	..	..
Spades, N.P.	..	1	1	1		..	..	1	..	..
Tents, line, tent, 16-thread .. .. .. oz.	6*	..	..	..		..	..	..	..	..

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Woolwich Section, 5.														
Brush, water, carriage		1	1	1	1	1	1	1	1	..
Woolwich Section, 7.														
Drivers, screw, 6-inch		..	..	..	..	1	..	..	1	..
Hammers { claw, 14 ozs.		..	..	..	..	1	..	..	1	..
Hammers { riveting, 8 ozs.		1	..	..	..	..	..	..	..	..
Pincers, carpenters'		..	..	..	..	1	..	..	1	..
Spanners, McMahon, 9-inch		1	..	..	..	1	..	..	1	1
Woolwich Section, 11.														
Grease, Field s	lbs.	6	6	6	6	6	3	3	3	3
Woolwich Section, 18.														
Cordage, tarred, spun-yarn, hemp	lbs.	5	5	5	5	5	5	5	5	..
Lashings { white, 1-inch, 30 feet	..	..	..	..	..	2	2	..	2	..
Lashings { tarred, 16-feet	..	..	..	..	..	..	..	4	..	..
Ropes, drag, light	pairs	..	1	1	1	1	1	1	1	..
Woolwich Section, 25.														
Boards, inventory		1	1	1	1	1	1	1	1	..
STORES.														
Woolwich Section, 27.														
Blankets, G.S.		4	..	..	..	..	..	..	..	..

* Annual supply.

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APPENDIX IX.

(*Referred to in paragraph* 368)

INSTRUCTIONS FOR THE CARE AND PRESERVATION OF THE LEATHER OF HARNESS AND SADDLERY (OTHER THAN THAT HELD FOR MOBILIZATION) IN POSSESSION OF TROOPS.

Dubbing to be used.

1. Once in every six months the saddlery and harness in possession of the troops is to be laid by in dubbing for two or three days.

Time for applying dubbing.

2. From Friday afternoon until Monday afternoon is a suitable time, if the Saturday intervening be made a saddlery and harness inspection day, so that the officer immediately responsible may see that the orders are strictly carried out.

Proper application of dubbing.

3. The whole of the strapping composing the saddlery and harness will be taken to pieces ; and after the articles have been cleaned, and while they are damp from the use of a wet sponge, the dubbing will be lightly rubbed in. It may be applied with a rag, sponge, or brush. Dubbing spreads more uniformly, and is incorporated more thoroughly with the fibres of the leather, if applied when the leather is damped. In the winter months the dubbing should be warmed.

Tallow to be rubbed off.

4. When the dubbing has had time to penetrate the leather, which will be in two or three days, the residue of tallow on the surface should be rubbed off, and the article polished up with a cloth or brush. If this is properly done, and only a sufficiency of dubbing has been used, the leather will not soil the hand or glove when handled.

Articles requiring exceptional treatment.

5. Carbine buckets, and seats and flaps of saddles, being of uncurried leather and requiring to be kept stiff, should only be very lightly dubbed *annually*, but occasional soap sponging is necessary to preserve the grain.

Daily use of soap.

6. Soap should be used daily, where articles are in constant use, to produce mellowness in the leather rather, than an outward gloss. Inspecting officers should handle the straps to ascertain that they are pliable, and in good preservation.

Leather to be kept soft.

7. So long as leather remains dry and clean it needs but little attention, beyond receiving a little grease half-yearly ; but when wetted, either by rain or by the water necessary to clean it, the leather becomes hard and stiff, if not softened with some oily matter.

Soda not to be used.

8. Leather must not be washed with soda nor soaked in water. Its vitality is quite destroyed by being soaked in hot water, and it will be found afterwards to readily crack when bent. Washing the leather with soap and *luke-warm* water, quickly, and without soaking, will not injure it if the precaution is taken to apply oil, dubbing, or good soap, while the article is slightly damp.

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9. Drying the leather by the fire destroys its durable properties, and is strictly forbidden. Not to be dried by the fire.

10. Leather articles exposed to the action of ammonia, which is continually given off in stables, become weak and rotten sooner than those not so exposed. But the grease of oil, soap, or dubbing, applied from time to time, penetrates the leather, nourishes it, and fits it to resist the deleterious effects of ammonia, and of atmospheric moisture; it also fills up the fibres, makes the leather more mellow, and increases its tensile strength. Action of ammonia.

11. Soft soap contains an excess of alkali, and should be sparingly used; if applied freely it gives the leather a dark and sodden appearance. Soft soap to be sparingly used.

12. Bees-wax and saddle soaps, commonly used in the service to give a polish to the grain of the leather, are not objectionable, providing good yellow soap is used to the flesh (under) side to keep the leather mellow. Use of bees wax, &c.

13. Black saddlery leather requires greater care than brown. To give it a good appearance, the best blacking only should be used. Black saddlery.

14. The harness and saddlery of sick and young horses, when kept in store, should be properly cleaned, and soaped, or dubbed, before being stored. The officer immediately responsible should inspect them monthly. Monthly inspection.

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APPENDIX X.

(Referred to in Section XVI, Sub-section II.)

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INSTRUCTIONS FOR MARKING VEHICLES.

CONTENTS.

	PARAS.
Object of instructions	1
System of marking to be uniform	2
Position of "corps marks"	2, 6
Position of other marks	3
Method of marking	5
Details of corps marks	6
Details of additional marks..	3
Abbreviations to be used	6
Distribution of vehicles	7
Tables I. to VI.	

Object.

1. These instructions are issued with the object that when required for use on mobilization, every vehicle shall be marked so as to show the title of the unit to which it belongs, the formation to which the unit is allotted, and the service to which each vehicle is appropriated.

Corps marks, position of.

2. These marks, called "corps marks," are to be on the same system for all vehicles, and for all branches of the service.

The position of the marks will be as follows:—

Gun carriages and vehicles, with limbers } centre of back of ammunition boxes.

Carriages, field, machine gun,
- infantry,
  - Nordenfelt, 3 barrel (Mark I), (also Gardner, 2 barrel), off side of iron cover.
  - Maxim, Mark I, ·303 guns, front plate.
  - Maxim, Mark II, ·303 guns, back of lockers and front plate.
- cavalry or mounted infantry,
  - Nordenfelt, 3 barrel (Mark I), (also Gardner, 2 barrel), } off side of framework carrying ammunition.
  - Maxim, Mark I, ·303 guns, } off side of framework carrying ammunition.

Other vehicles (if construction admits), on body of vehicles, on *off side*, as far to the front as possible, and low enough to be clear of tarpaulin or other cover.

Other marks not to be mixed up with.

3. In addition to the above-named "corps marks," there are a number of details, chiefly for regimental convenience, marked on certain vehicles, such as the nature of gun, number or letter of subdivision, number of wagon, &c. These details are not to be mixed up with the corps marks, and will be placed on the front, rear, or near side, as shown in the details given in Table VI.

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Details, where given Geneva cross

4. The details of the marking are given in the following paragraphs, and all vehicles detailed for use with medical units, such as bearer companies and field hospitals, will be marked with the Geneva cross, in addition to corps marks, &c.

Drawings.

5. Drawings to illustrate the method of marking, and the correct position of the marks, will be issued, on demand, to chief ordnance officers of districts, who will arrange for necessary promulgation to the troops requiring them. The marking of vehicles will be performed by hand-painting, by battery and regimental artificers. In the absence of artificers trained to hand-painting, vehicles will be marked by the army ordnance department. All marking, except the Geneva cross, which will be in red on white ground, will be in white paint, in letters and numerals, as laid down in Table V.

6. "Corps marks" generally require three lines :—

First line.—Title of unit, *e.g.*, 2 Leins. R.

Second line.—Formation to which unit is allotted, *e.g.*, 3 Inf. Bde.

Third line.—Service to which vehicle is appropriated, *e.g.*, Baggage.

Table I shows the abbreviations to be used for titles of units.

Table II gives examples of first and second lines, and shows the special methods of marking vehicles in ammunition columns, supply columns, bearer companies, and field hospitals.

Vehicles to be permanently marked where possible.

7. Since the allotment of most of the units in the field army varies from time to time, as units move from station to station in the course of relief, it is not possible to keep all vehicles permanently marked in full, but where this is possible it is always to be done.

Distribution of vehicles.

The extent to which the marking can be completed in anticipation of mobilization depends on the distribution of the vehicles during peace, which is, broadly, as follows :—

Vehicles in charge of units.

(*a.*) Vehicles in charge of units, and forming part of their peace equipment will be kept fully marked.

Regimental transport vehicles.

Regimental transport vehicles for infantry battalions will be marked with an "index number" in addition to, and above, the corps marks. This index number will be inscribed in a circle thus, (15). A list of stations, barracks, and numbers is given in Table VI., of this Appendix.

When vehicles accompany a unit on change of station, or are handed from one unit to another on relief, any necessary changes in the marking will be at once carried out.

Mobilization equipment.

(*b.*) Vehicles forming part of the mobilization equipment in charge of units :—

These will be kept fully marked, with the exception of the letter, number, or designation of the unit, which will be filled in on mobilization, by the particular unit which then uses the equipment.

Vehicles kept by A.O.D.

(*c.*) Vehicles kept by the army ordnance department in mobilization storehouses to complete the equipment on mobilization of units which exist in peace, and the allotment of which is liable to change in course of relief :—

These will be kept fully marked, omitting that part only of the detail in the first line which indicates the actual title of the unit, and the number of the battalion, regiment, &c., which will be filled in after the vehicles are taken over by the unit to which they are allotted.

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(*d.*) Vehicles kept by the army ordnance department, in mobilization storehouses, for the equipment of units which are to be formed on mobilization, or for those units, existing in peace, the allotment of which is not affected by change of station :—

The units are given in the following list, and the vehicles held for them will be kept marked in full :—

Staff units.
Regimental staff of corps artillery.
Household Cavalry (composite) Regiment.
Ammunition columns.
Ammunition Parks.
Regimental staff of corps engineers.
"A" troop, bridging battalion, Royal Engineers.
"B" troop, bridging battalion, Royal Engineers.
Divisions of telegraph battalion, Royal Engineers.
Sections of Field Troop, Royal Engineers.
Balloon sections, Royal Engineers.
Field Parks, Royal Engineers.
Railway companies, Royal Engineers.
Volunteer Engineers in the field army.
Mounted infantry.
Mounted infantry machine-gun sections.
Bearer companies (including those formed by the Volunteer Medical Staff Corps).
Field hospitals.

(*e.*) Vehicles which are on charge of various corps for local purposes :—

These will be marked to show the purpose to which they are locally appropriated.

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TABLE I.

SHOWING the abbreviations to be used in the first line of the marking, which shows the title of the unit.

Unit.	Abbreviations.
Depôt, Royal Horse Artillery	Dep. R.H.A.
R Battery, Royal Horse Artillery	R. R.H.A.
Depôt Field Artillery	Dep. R.A.
5th Field Battery, Royal Artillery	5. R.A.
3rd Cavalry Brigade Ammunition Column ..	3 Cav. Bde. Ammn. Col.
IInd Corps Troops Ammunition Column ..	II. C.T. Ammn. Col.
6th Infantry Divisional Ammunition Column	6 Div. Ammn. Col.
IInd Ammunition Park (2nd Section).. ..	II Ammn. Park 2.
No. 4 Mountain Battery, Royal Artillery ..	4 M.R.A.
Depôt, Royal Engineer Troops..	Dep. R.E. Trp.
No. 12 Field Company, Royal Engineers ..	12 Fd. Co. R.E.
Dragoon Guards (*e.g.* 3rd)	3 D.G.
Dragoons (*e.g.* 6th)	6 Dns.
Hussars (*e.g.* 20th)	20 Hrs.
Lancers (*e.g.* 5th)	5 Lrs.
(1st Battalion) Grenadier Guards	1 G. Gds.
(2nd ,,) Coldstream Guards	2 C. Gds.
(1st ,,) Scots Guards	1 S. Gds.
Infantry Battalions (Regulars and Militia) ..	Abbreviations to be in accordance with the abbreviated regimental titles, as laid down in the official Army List.

In the case of units not mentioned in this Table, the abbreviations are sufficiently explained in Table II.

TABLE II.

EXAMPLES of the first two lines of the marking alluded to in paragraph 6 of this Appendix.

Unit.	Examples of the first two lines of the marking.
Staff of an Army Corps..	Staff III. A.C.
Regiment of Cavalry (*e.g.* 2nd Cavalry Brigade)	† 2 Cav. Bde.
Regiment of Cavalry (with an Army Corps) ..	† III. A.C.
Regimental Staff, Corps Artillery	C. Art. Staff. III. A.C.
Brigade Division Staff R.H.A. (Corps Artillery)	Bde. Div. Staff R.H.A. C. Art. III. A.C.
Royal Horse Artillery Battery (with Cavalry Brigade).	*R.H.A. 3 Cav. Bde.
Royal Horse Artillery Battery (Corps Artillery).	*R.H.A. C. Art. I. A.C.
Brigade Division Staff R.A. (with Infantry Division)	*Bde. Div. Staff R.A. 3 Inf. Div.

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* Letter or number of Unit, or number of formation.

† Designation of Regiment.

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Table II—*continued.*

Unit.	Examples of the first two lines of the marking.
Field Battery Royal Artillery (with Infantry Division).	* R.A. 3 Inf. Div.
40116 5948 Brigade Division Staff R.A. (with Corps Artillery)	Bde. Div. Staff R.A. C. Art. III. A.C.
Field Battery, Royal Artillery (with Corps Artillery).	* R.A. C. Art. II. A.C.
Cavalry Brigade Ammunition Column.. ..	3 Cav. Bde. Ammn. Col.
Divisional Ammunition Column	3 Div. Ammn. Col.
Corps Troops Ammunition Column	II. C.T. Ammn. Col.
Ammunition Park	II. Ammn. Park 2. II. A.C.
Regimental Staff, Corps Engineers	Corps Eng. Staff. II. A.C.
Field Troop, Royal Engineers	Fd. Trp. R.E. *Cav. Bde.
"B" Troop, Bridging Battalion, Royal Engineers.	B. Pont. Trp. R.E. Corps Eng. II. A.C.
Telegraph Division, Royal Engineers	I Div. Tel. Bn. R.E. Corps Eng. I. A.C.
Balloon Section, Royal Engineers	I Balln. Sec. R.E. Corps Eng. I. A.C.
Field Company, Royal Engineers	*Fd. Co. R.E. 3 Inf. Div.
1st London Volunteer Engineers	1 Lond. R.E. Vols. Corps Eng. III. A.C.
Field Park, Royal Engineers	I Fd. Park R.E. Corps Eng. I. A.C.
Mounted Infantry	Mtd. Inf. 2 Cav. Bde.
Mounted Infantry Machine-gun Section ..	Mtd. Inf. M-gun Sec. 3 Cav. Bde.
Infantry Battalion (*e.g.* 2nd Rl. Highlanders, with Infantry Brigade)	2 R. Highrs. *Inf. Bde.
Company, Army Service Corps (with Corps Troops II. A.C.).	* Co. A.S.C. II. C.T. Supply Column.
Company, Army Service Corps (with Infantry Division).	* Co. A.S.C. 2 Div. Supply Column
Company, Army Service Corps (with Infantry Brigade).	* Co. A.S.C. 12 Supply Column
Company, Army Service Corps (with Cavalry Brigade).	* Co. A.S.C. 1 Cav. Bde. Supply Column
Bearer Company (with Cavalry Brigade) ..	1 Cav. Bde. Bearer Co.
Bearer Company (with Infantry Brigade) ..	5 Bearer Co. 5 Inf. Bde.
Field Hospital (with Cavalry Brigade) ..	1 Cav. Bde. Fd. Hospital
Field Hospital (with Infantry Brigade) ..	5 Fd. Hospital 5 Inf. Bde.
Field Hospital (with Infantry Division) ..	2 Div. Fd. Hospital
Field Hospital (with Corps Troops)	I.C.T. Fd. Hospital

* Letter or number of Unit, or number of formation.

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TABLE III.

DETAILS of the third line of the marking which indicates the service to which each vehicle is appropriated.

N.B.—A separate series of consecutive numbers to be given to each nature of vehicle in the unit. "Ammunition and Store," or, "Surgery, spring," wagons allowed to units in lieu of "General, service," wagons will, however, be given consecutive numbers in the series for G.S. wagons; but carts supplied in lieu of wagons will be numbered according to the respective natures of such carts. Vehicles on charge of units for peace services, and intended also for war equipment, will have priority of numbers over those held on mobilization equipment charge.

First two lines of the marking which indicate the Unit and the Brigade, Division, &c., of which it forms part.	Last line of the marking.
Staff III. A.C.	On 1 forage cart.—Intel. Dept. Baggage. On 1 forage cart.—A.S.C. On 2 G.S. wagons.—Baggage. On 3 G.S. wagons.—Supply.
Staff 3 Inf. Div.	On 1 G.S. wagon.—Baggage. On 1 G.S. wagon.—Supply.
Staff 9 Inf. Bde.	On 1 G.S. wagon.—Baggage and Supply.
Regt. 2 Cav. Bde.	On 1 forage cart.—Hd.-Qr. Baggage. On 1 forage cart.—Hd.-Qr. Supply. On 1 Maltese cart.—Medical Stores. On 2 G.S. wagons. { No. 1 Store. / No. 2 Store. } On 3 G.S. wagons.—Squadron, Baggage. On 3 G.S. wagons.—Squadron, Supply.
R.H.A. 3 Cav. Bde. or R.H.A. C. Art. I. A.C.	On 1 A. and S. wagon.—Baggage. On 1 A. and S. wagon.—Supplies. On 1 A. and S. wagon.—Tents, &c.

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Table III—*continued.*

First two lines of the marking which indicate the Unit and the Brigade, Division, &c., of which it forms part.	Last line of the marking.
R.A. 3 Inf. Div. or R.A. C. Art. II. A.C.	On 1 A. and S. wagon.—Baggage. On 1 A. and S. wagon.—Supply. On 1 A. and S. wagon.—Tents, &c.
3 Cav. Bde. Ammn. Col.	On 1 A. and S. wagon.—Baggage. On 1 A. and S. wagon.—Stores. On 1 A. and S. wagon.—Supplies. On 1 A. and S. wagon.—Tents, &c. On 7 S.A.A. carts.—S.A. Ammn.
II. C.T. Ammn. Col.	On 2 A. and S. wagons.—12-pr. ammn. On 6 A. and S. wagons.—15-pr. ammn. On 2 A. and S. wagons.—S.A. Ammn. On 1 A. and S. wagon.—Stores. On 1 A. and S. wagon.—Baggage. On 2 A. and S. wagons.—Supplies. On 2 A. and S. wagons.—Tents, &c. On 3 S.A.A. carts.—S.A. Ammn.
3 Div. Ammn. Col.	On 3 A. and S. wagons.—15-pr. ammn. On 11 A. and S. wagons.—S.A. Ammn. On 1 A. and S. wagon.—Stores. On 1 A. and S. wagon.—Baggage. On 2 A. and S. wagons.—Supplies. On 2 A. and S. wagons.—Tents, &c. On 12 S.A.A. carts.—S.A. Ammn.
II. Ammn. Park	On 12 A. and S. wagons.—12-pr. ammn. On 48 A. and S. wagons.—15-pr. ammn. On 3 A. and S. wagons.—Stores. On 3 A. and S. wagons.—Baggage. On 6 A. and S. wagons.—Supplies. On 6 A. and S. wagons.—Tents, &c.
B. Pont. Trp. R.E. Corps Eng. II. A.C.	In regimental charge— On 1 forge wagon.—Forge. On 2 G.S. wagons. { No. 1 Technical. / No. 2 Technical. On 1 G.S. wagon.—Baggage. On 1 G.S. wagon.—Store. In A.O.D. charge— On 1 G.S. wagon.—Supply.

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Table III—*continued.*

First two lines of the marking which indicate the Unit and the Brigade, Division, &c., of which it forms part.	Last line of the marking.
Balln. Sec. R.E. Corps Eng. I. A.C.	On 4 gas reservoir wagons.—Tubes. On 1 G.S. wagon.—Balloon. On 1 G.S. wagon.—Equipment.
Fd. Co. R.E. 3 Inf. Div.	On 2 forage carts in A.O.D. charge.—Company. On 1 forage cart in R.E. charge.—Supply.
1 Lond. R.E. Vols. Corps Eng. III. A.C.	On 2 forage carts in A.O.D. charge.—Company. On 1 forage cart in Regtl. charge.—Supply.
Mtd. Inf. 2 Cav. Bde.	On 1 G.S. wagon.—Forge. On 2 G.S. wagons. { No. 1 Supply. / No. 2 Supply. On 2 G.S. wagons. { No. 1 Baggage. / No. 2 Baggage.
* I.A.C.	In Regtl. charge— On 1 forage cart.—Tools. On 1 G.S. wagon.—Baggage. In A.O.D. charge— On 1 Maltese cart.—Medical Stores. On 1 G.S. wagon.—Store. On 2 G.S. wagons. { No. 1 Supply. / No. 2 Supply.
Co. A.S.C. II. C.T. Supply Column.	In Regtl. charge— On 1 G.S. wagon.†—Forge. On 5 G.S. wagons.—Supply. On 1 G.S. wagon.—Hd.-Qrs. In A.O.D. charge— On 1 forage cart.—S.O. Equipt. On 1 water cart.—Hd.-Qrs. On 1 water cart.—S.O. On 1 G.S. wagon.—S.O. Equipt. On 4 G.S. wagons.—Supply R.R. On other G.S. wagons.—Supply.

* Designation of infantry battalion.
† Fitted to carry forge.

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Table III—*continued.*

First two lines of the marking which indicate the Unit and the Brigade, Division, &c., of which it forms part.	Last line of the marking.
Co. A.S.C. 2nd Div. Supply Column.	In Regtl. charge— On 1 G.S. wagon.*—Forge. On 1 G.S. wagon.—Hd.-Qrs. On 5 G.S. wagons.—Supply. In A.O.D. charge— On 1 forage cart.—S.O. Equipt. On 1 water cart.—Hd.-Qrs. On 1 water cart.—S.O. On 1 G.S. wagon.—S.O. Equipt. On 1 G.S. wagon.—Supply R.R. On other G.S. wagons.—Supply.
Co. A.S.C. No. 12 Supply Column.	In Regtl. charge— On 1 G.S. wagon.*—Forge. On 1 G.S. wagon.—Hd.-Qrs. On 5 G.S. wagons.—Supply. In A.O.D. charge— On 1 forage cart.—S.O. Equipt. On 2 water carts { Hd.-Qrs. No. 1. Hd.-Qrs. No. 2. On 1 water cart.—S.O. On 1 G.S. wagon.—S.O. Equipt. On 3 G.S. wagons.—Supply R.R. On other G.S. wagons.—Supply.
Co. A.S.C. 1st Cav. Bde. Supply Column.	In Regtl. charge— On 1 G.S. wagon.*—Forge. On 1 G.S. wagon.—Hd.-Qrs. On 5 G.S. wagons.—Supply. In A.O.D. charge— On 1 forage cart.—S.O. Equipt. On 1 forage cart.—Supply R.R. On 1 water cart.—S.O. On 1 G.S. wagon.—S.O. Equipt. On 1 G.S. wagon.—Supply R.R. On other G.S. wagons.—Supply.

* Fitted to carry forge.

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TABLE IV.

DETAILED Marks, on various vehicles, which are to be in addition to the Corps Marks shown in Tables II and III.

ROYAL HORSE AND FIELD ARTILLERY.

Description of vehicle.	Nature and position of marks.	Examples.
Gun carriages	Nature of gun and letter of Sub-division on trail, near side.	12-pr. B.L.—D.
Limbers	Nature of gun, and letter of Sub-division on rear of axletree.	12-pr. B.L.—D.
Howitzer carriages ...	Nature of howitzer and letter of sub-division on trail, near side.	5-in. B.L.Hr.—D.
Limbers	Nature of howitzer and letter of sub-division on rear of axletree.	5-in. B.L.Hr.—D.
Ammunition boxes ..	*Of Limbers and Wagons.*—Letter of Sub-division, in the left top corner of each box in rear.	
Ammunition and store wagons.	Title of battery on front board, wagon number and nature of load, low down on tail-board.	89—R.A. (front). No. 2. Baggage. (tail-board).
Forge wagon, R.A. ...	Title of battery, and the word "Forge" in rear centres of limber box, limber bed, and wagon body.	U.—R.H.A. Forge.
Store wagon, R.A. ...	As for forge wagon R.A., substituting "Stores" for "Forge."	89—R.A. Stores.

AMMUNITION COLUMNS AND PARKS.

Gun carriages	Nature of gun on trail, near side . .	12-pr. B.L.
Limbers	Nature of gun on rear of axletree ...	15-pr. B.L.
Ammunition boxes ...	No. of sub-division in the left top corner of each box in rear.	
Ammunition and store Wagons.	Title of unit on front board, number of wagon, and nature of load, low down on tailboard.	3 Div. Ammn. Col. (front board) No. 6.—S.A. Ammn. (tailboard).
Carts, S.A.A.	Title of unit on centre of front, and number of cart, and the words "S.A. Ammn." on rear.	II. C.T. Ammn. Col. (front). No. 3.—S.A. Ammn. (rear).
Forge wagons	Title of unit, and the word "Forge" in rear centres of limber box, limber bed, and wagon body.	9 Div. Ammn. Col. Forge.
Forage cart	Title of unit on centre of front and the words "Baggage Staff" low down on rear.	1 Ammn. Park-Staff (front). Baggage Staff (rear).
Maltese cart	Title of unit on centre of front and on rear low down the words "Medical Equipt."	1 Ammn. Park-Staff (front). Medical Equipt.(rear).

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Table IV—*continued.*

MOUNTAIN ARTILLERY.

Description of vehicle.	Nature and position of marks.	Examples.
Carriages	On near side of trail	2·5-in. R.M.L. 3.
Limbers	On rear of bed	10. M. 7-pr. 200 lbs. R.M.L.
Packsaddlery, cradles ...	In most convenient position	1. M. "Ammunition." 10. M. "Carriage."

SIEGE TRAIN.

Gun or howitzer carriages.	The words "Siege Train" the number of the Division* in the train, the nature of the piece, and its number in the Division, on near side of trail or bracket.	Siege Train, No. 4 Divn.* 6·6-in. R.M.L. Hr. 4.
Limbers and boxes† ...	The words "Siege Train," the number of the Division in the train, the nature of the piece, and its number in the Division, on rear of bed.	Siege Train, No. 4 Divn., 40-pr. R.M.L. 1.
	Nature of piece, and its number in the Division on left rear of boxes, close to top.	40-pr. R.M.L. 1.
Forge and store wagons.	The words "Siege Train," the number of the Division in the train, and number of the wagon in the Division, on near side of perch.	Siege Train, No. 4 Divn. 2.
	The word "Forge" (or "Store") and the number in the Division low down on rear of wagon.	Forge. 1.
Limbers of forge and store wagons.	The words "Siege Train," the number of the Division in the train, the word "Forge" or "Store," and the number of the wagon in the Division, on rear of bed.	Siege Train, No. 4 Divn. Forge. 2.
	The word "Forge" or "Store," and the number of the wagon in the Division, on the rear of the box.	Forge, 2.
Platform wagons	The words "Siege Train," and the number of the Division in the train, on front of bed.	Siege Train, No. 4 Divn.
	The word "Gun" (or "Gyn and Stores"), and the number of the wagon in the Division, on rear of bed.	Gun. 2.
Platforms	The words "Siege Train," the number of the Division in the train, and the number of the platform in the Division, on end of platform when packed.	Siege Train, No. 4 Divn. 1.

* Divisions Nos. 1, 2, and 3 are heavy; Nos. 4, 5, and 6 are medium, and Nos. 7, 8, and 9 are light.

† In the case of spare carriages the word "Spare" will be substituted for the numeral of the carriage or limber.

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Table IV—*continued.*

Description of vehicle.	Nature and position of marks.	Examples.
Trench carts	The words "Siege Train," and the number of the Division in the train, on the front board.	Siege Train, No. 1 Divn.
	The number of the cart in the Division low down on the tail-board.	2.
Sling wagons and limbers.	The words "Siege Train," the number of the Division in the train, and the number of the wagon in the Division, on near side of the bed of wagon, and on rear of axletree bed of limber.	Siege Train, No. 1 2. Divn.
Ammunition and store wagons.	The words "Siege Train," and the number of the Division in the train, on the front board.	Siege Train, No. 4 Divn.
	The nature of the ammunition carried, and the number of the wagon in the Division, low down on the tail-board.	6·6-in. R.M.L. Hr. 2.
Triangle gyns	The words "Siege Train," the number of the Division in the train, and the number of the gyn in the Division, on the middle part of prypole.	Siege Train, No. 1 Divn. 2.
	Siege Companies.	
Carriages	Title of unit on off side of trail, "Siege Company," and nature of piece on near side of trail.	* E.R.A. Siege Company. — 40-pr. R.M.L. 8-in. R.M.L. howitzer.
Limbers	Title of unit, the words "Siege Company," and nature of piece on rear of bed.	...
Ammunition boxes... ...	Title of unit, the words "Siege Company," and nature of piece, on left rear of each box, close to the top.	...
Ammunition and store wagons.	Title of units, the words "Siege Company," and nature of ammunition carried, low down on tail-board.	* S.R.A. Siege Company. — 40-pr. } R.M.L. 25-pr. } (1). 8-in } R.M.L. 6 6-in. } Howr. (2).
Platform wagons	Title of unit, the words "Siege Company," and nature of service.	W.R.A. Siege Company. — Gun. Siege Company. — Gyn.
Trench cart	Title of unit, and the words "Siege Company," on tail-board.	* E.R.A., Siege Company.

* Number of company.

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Table IV—*continued.*

Movable Armament.

Description of vehicle.	Nature and position of marks.	Examples.
Gun carriages	Nature of piece on near side of trail ...	40-pr. R B.L. 16-pr. R.M.L.
Ammunition boxes ...	Of limbers and wagons. On centre of back	"Movable Armament."
Hand carts	On front board	"Movable Armament."
Trench carts	On front board	"Movable Armament."

Miscellaneous Vehicles.

Wagons— Cable ... ... Air-line .. .. Pontoon, also trestle ...	Title of unit and formation on centre of front; and in rear, low down, the word "Pontoon," "Trestle," "Cable," or "Air-line," according to circumstances, and the wagon or cart number.	B. Pont. Trp. R.E. C. Eng. II. A.C. Pontoon No. 20. Tel. Bn. R.E. C. Eng. I. A.C.
Carts, cable		Air Line No. 3.
Wagons, lithographic or printing.	Title of unit and formation on centre of front; and on the rear the words "Lithographic Office," or "Printing Office."	1 Fd. Park R.E. C. Eng. I. A.C. Lithographic Office.
Wagon, G.S., R.E.... ...	Title of unit and formation on centre of front; and on the rear, low down, the words "Stores," or "Photographic," and the wagon number.	3 Fd. Co. R.E. 3 Inf. Div. Stores No. 4.
Cart, tool, double, R.E.	Title of unit and formation on splinter-bar; cart number on each shaft, and on rear, low down, the word "Stores." The tool boxes of each double cart will be marked with the letters "A" to "H," and with the cart number.	3 Fd. Co. R.E. 3 Inf. Div. Tools No. 4. A. 4 B. 4 &c.
Wagons— Bakery ... ... Oven, steam...	Title of unit and formation on centre of front; and on rear, low down, the words "Bakery," or "Steam Oven," and the wagon number.	6 Co. A.S.C. Bakery No. 6. 7 Co. A.S.C. Steam Oven No. 2.
Wagons, G.S. (all patterns)	Title of unit and formation on centre in front; and on rear, low down, the word "Supply" and the wagon number. N B.—The word "Forge" to be added in rear, when the wagon carries forge or forges.	2 Leins. Regt. 6 Inf. Bde. Supply No. 3.
Wagons, ambulance ...	Title of unit and formation on centre of front; and on the rear, low down, the word "Ambulance" and the wagon number.	1 Cav. Bde. Bearer Co. Ambulance, No. 10.

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Table IV—*continued.*

Description of vehicle.	Nature and position of marks.	Examples.
Cart. S.A. ammunition ...	Title of unit and formation on centre of front; and on rear, low down, the words "S.A. Ammn." and the cart number.	1 G. Gds. 3 Inf. Bde. S.A. Ammn. No. 3.
Carts, forage— For tools	Title of unit and formation on centre of front; and on rear, low down, the word "Tools."	3 Inf. B. 1 A.C. Tools.
For H.Q., Cavalry Regiment	Title of unit and formation on centre of front; and on rear, low down, the word "Supply" and the cart number.	20 Hrs. 2 Cav. Bde. Supply No. 1.
Carts, water, barrel ...	Title of unit and formation on centre of front; and on the rear centre, the word "Water" and the cart number.	5 Co. A.S.C. II. C.T. Supply Col. Water No. 15.
Carts, water, tank	Title of unit and formation on splinter bar; and on brake bar at rear, the word "Water" and the cart number.	1 Cav. Bde. Hospital. Water No. 2.
Cart, forage	Title of unit and formation on centre of front; and on rear, low down, the words "S.O. Equipment" and the cart number.	8 Co. A.S.C. 12 Supply Col. S.O. Equipt. No. 1.
Cart, ambulance	Title of unit and formation on centre of front; and on rear, low down, the word "Ambulance" and the cart number.	5 Hospital. 5 Inf. Bde. Ambulance No. 10.
Wagon, oven, hot air ...	Title of unit and formation on centre of front; and on rear centre, the word "Oven" and the wagon number.	7 Co. A.S.C. Oven No. 3.
Wagon, S.A. ammunition (with limber)	Title of unit, formation, service, and wagon number on rear of limber and wagon, low down. Title of unit, service, and wagon number, on body of limber.	19 Hrs. 2 Cav. Bde. S.A. Ammn. No. 1.

TABLE V.

SHOWING nature and size of letters and numerals to be used.

Marking.	Nature of letter or numeral.	Size.
		inches.
Number of Army-Corps	Roman numerals	1½
Other numbers	Gothic numerals	1½
Initial letter of each word	Roman capital	1¼
Other letters in each word... ...	Roman capitals...	⅝
All letters in abbreviations... ...	Roman capitals	⅜

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TABLE VI.

SHOWING "Index number" to be used, *see* para. 7 (*a*) of this Appendix.

	Station.	Barracks.	Index No.	Remarks.
	York	Battalion ..	51	
	Sheffield	Infantry ..	50	
	Preston	Fulwood ..	2	
	Lichfield	Battalion ..	48	
	Manchester ..	Hulme	56	
40116	Colchester	Meanee	44	
5931A	,, ...	Hyderabad ..	45	
	,, ...	Sobraon	46	
	Warley	Battalion ..	47	
	Devonport	South Raglan ..	9	
40116	,, ...	. .. ..	49	
5931A	,, ...	Fort Tregantle ..	10	
	Plymouth	Crown Hill ..	8	
	Pembroke Dock ..	Hut	57	
	Portsmouth ..	Cambridge ..	58	
	,, ...	Victoria	75	
	Gosport	Barracks ..	24	
	Isle of Wight ..	Parkhurst ..	59	
	Portland	Verne Citadel ..	11	
	Chatham	Chatham ..	60	
	,, ...	,, ..	67	
	Dover	South Front ..	54	
	,, ...	Grand Shaft ..	55	
	,, ...	Citadel	61	
	Shorncliffe	Moore	52	
	Brighton	.. .. ..	53	
	London	Wellington ..	5	
	,, ...	,, ..	7	
	,, ...	Chelsea	6	
	,, ...	,, ..	62	
	,, ...	Tower	4	
	Windsor	Infantry ..	63	
	Woolwich	Cambridge ..	3	
	Newry	.. .. ..	64	
	Aldershot	Albuhera ..	13	
	,, ...	Maida	14	
	,, ...	Mandora ..	20	
	,, ...	Barrosa	12	
	,, ...	Corunna ..	15	
	,, ...	Malplaquet ..	1	
	,, ...	Oudenarde ..	16	
	,, ...	Tournay ..	18	
	,, ...	Ramilies ..	17	
	,, ...	Blenheim ..	19	
	,, ...	Talavera ..	22	
	,, ...	Badajos	23	
	,, ...	Salamanca ..	21	

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Table VI --*continued.*

Station.	Barracks.	Index No.	Remarks.
Woking	Inkerman ..	26	
Edinburgh	Castle	65	
Glasgow	Maryhill ..	66	
Belfast	Infantry ..	28	
,, ...	Holywood ..	29	
Enniskillen.. ..	Infantry ..	27	
Birr..	,, ..	36	
Dublin	Beggar's Bush ..	37	
,, ...	Richmond ..	38	
,, ...	,, ..	39	
,, ...	Royal	40	
,, ...	Portobello ..	69	
Athlone	Infantry ..	70	
Mullingar	Barracks ..	30	
Curragh	"C" Square ..	41	
,, ...	"H" ,, ..	42	
,, ...	"G" ,, ..	43	
Cork	Infantry, East ..	32	
,, ...	,, West..	33	
Buttevant	Barracks ..	71	
Fermoy	New	34	
,, ...	Old	35	
Kilkenny	Infantry ..	72	
Kinsale	,, ...	73	
Limerick	,, ...	74	
Tipperary	,, ...	31	
Fort George ..	.. .. ..	25	
Strensall	.. .. ..	68	

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APPENDIX XI.

(REFERRED TO IN PARAGRAPH 265B.)

LIST of TOOLS and STORES which will be supplied to Commanding Royal Engineers of Districts for the Instruction of the Troops in Military Engineering.

Description of Articles.	For Company of R.E. except West India Fortress Coy., R.E.	For Half-Company of R.E. at Ceylon and Singapore.	West India Fortress Coy., R.E.		Sierra Leone Fortress Coy., R.E.	For Battalion of Infantry except Mauritius, Barbados, St. Lucia, and Ceylon.	For Infantry at Mauritius, Barbados, St. Lucia, and Ceylon.	For Staff Officer for Instruction.	Extra stores specially authorised.			Remarks.
			Jamaica.	St. Lucia.					For Royal Engineers at Curragh.*	For Infantry at Dublin.	For Infantry, Tower of London.	
Woolwich Section, No. 1.												
A.—ACCOUTREMENTS.												
Caps, knee, Royal Engineers	8	...	6	4	4							
Woolwich Section, No. 2.												
A.—CAMP EQUIPMENT.												
Axes, { felling, curved helve	2	1	2	2	2	2	...	...	...	...	1	
{ hand, 2 lbs.	6	3	3	3	3	6	...	...	...	...	...	
Hooks, bill...	20	10	6	6	6	25	12	2				
Mauls, G.S., mark III.	4	2	2	2	2	2	2	...	...	...	2	
Posts, picket, { 5 feet	8	4	8	8	8	8	8	8	...	4	8	
{ 2½ ,, ...	...	...	...	...	...	...	4	...	...	...	4	
C.—TOOLS, &c., FOR INTRENCHING.												
38407 Eqt. 1927 Axes, pick, { heads, 5-lbs.	120	60	50	25	25	150	100	25	...	...	4	
{ helves, 34½-ins.	120	60	50	25	25	150	100	25	...	...	4	
{ ,, 24 ins.	6	3										
Barrows, wheel, { mark II., with wheels ...	...	...	...	...	...	...	...	2				
intrenching, { wrenches	...	...	...	...	...	...	...	1				
Bars, crow, { 4-feet 6 inches	4	2	1	1	1	2	2	...	...	...	2	
{ 3 ,, 6 ,, ...	4	1	1	1	1	2	2	...	...	...	2	

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	Bags, sand, common	1,000	500	250	250	250	500	500	100	500†	...	...	Annual expenditure 35 per cent.	
	Chokers, fascine	4	2	2	1	1	8	...	2					
	Forks, sandbag	4	2											
	Gabions, bands, sets of 10	100	50	50	25	25	20‡	...	10	...	...	...	‡ Where brushwood is dear.	
	Knives, gabion	12	5	5	5	5	25	...	2					
57	Ladders, scaling, 6 feet (with lashings) §													
Cape	Lamps, tracing	1	1	1	1	1								
6022	Lines, tracing	10	5	6	6	6	12	10	6					
	Mallets, fascine	8	5	5	5	5	12	2	2					
Models, timber,	bags, sand	...	...	1,000	500	500	200	500	500					
	boards, knot, 2′ 8″ × 4′ 9″	...	...	1	1	1	1	1	...	...	...	1		
	fascines	...	...	80	40	...	40	100	150					
	gabions, Jones'	...	...	150	100	100	40	150	150					
	magazines, rectangular ... ... sets	...	...	1	1	...								
	pins, iron, tracing, large	...	...	50	50	50								
	pins, iron, tracing, small	...	...	50	50	50	40	100						
	platforms, siege, double decked, "C" pivot ...	...	...	2	1	1								
	rods	...	...	6	4	4	4	10	6					
	planks, bridging	...	...	45	45	45	...	...	60					
	spars, bridging, 8-ft. 9-in., diameter at butt, 2½-in.	...	...	...	...	...	...	...	4					
	spars, bridging, 7-ft. 6-in., " " 2½ in.	...	...	...	...	...	...	...	4					
	spars, bridging, 7-ft. 6-in., " " 1½-in.	...	...	...	...	...	...	...	6					
	spars, bridging, 6-ft. 3-in., " " 2-in.	...	...	4	2	2	...	...	6					
	spars, bridging, 5-ft. 6-in., " " 1½-in.	..	...	8	4	4	...	...	15					
	spars, bridging, 5-ft. " " 1½-in.	...	...	20	10	10	...	...	4					
	spars, bridging, 3-ft. 9-in. " " 2½ in.	...	...	4	2	2	...	...	4					
	spars, bridging, 3-ft. 9-in. " " 1½-in.	...	...	20	20	20	...	...	7					
	spars, bridging, 1-in. to 1½-in. diameter feet run	...	...	50	50	50	...	...	50					
	splinter proofs	...	...	200	100	100	...	50	50					
7901	Pickets, fascine (cradle) ... ... pairs	20	10	5	5	5	40	...	5					
279	Pickets, gabion, 3′	1,500	750	750	375	375	300	...	150					
	Pickets, tracing, unbarked	100	50	...	...	...	300	...	...	...	100	50	Annual supply.	
	Rammers, earth	2	2	2	2	2	...	..	2					
	Scrapers, earth	4	2	2	1	1								
	Shovels, miners, short	6	...	2	2									
	Shovels, universal	120	60	50	25	25	150	100	25	...	...	4		
	Spades, N P.	5	3	3	2	2	6	...	2					
	Tapes, tracing	10	5	6	6	6	10	...	2	...	...	2		
	Wire, iron, galvanized, barbed ... ... lbs.	56	28	56	56	56	28	56	...	28†	...	...	Annual expenditure 50 per cent.	

* Including additional expendible stores for the instruction of the Survey Detachment, R.E. † For the instruction of the Survey Detachment, R.E.

§ Forty ladders with lashings are allowed for use of battalions of infantry and fortress companies, R.E., at Devonport, Dover, Dublin, Edinburgh, Halifax, N.S., Portsmouth, and Tower of London. At Hong Kong, Ceylon, Straits Settlements, and Jamaica, ladders of the ordinary standing or of a locally improvised pattern, are to be used in the proportion of 12 to each station. At other stations 12 scaling ladders with lashings will be allowed for each fortress company, R E., but in these cases, should such articles be available in the army ordnance department as part of any authorized reserve, they will be issued thereafrom temporarily for the purpose, and additional ones need not be provided.

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APPENDIX XI—*continued.*

Description of Articles.	For Company of R.E., except West India Fortress Coy., R.E.	For Half-Company of R.E. at Ceylon and Singapore.	West India Fortress Coy., R.E.		Sierra Leone Fortress Coy., R.E.	For Battalion of Infantry, except Mauritius, Barbados, St. Lucia, and Ceylon.	For Infantry at Mauritius, Barbados, St. Lucia, and Ceylon.	For Staff Officer for Instruction.	Extra stores specially authorised.			Remarks.
			Jamaica.	St. Lucia.					For Royal Engineers at Curragh.*	For Infantry at Dublin.	For Infantry, Tower of London.	
D.—MINER'S TOOLS AND STORES.												
Bars, pinching, 3-feet	2	2	1	1	1	2						
Blower, rotary {	2	...	1	1								
{ hose, 1¼-in.	10	...	8	8								
{ wrenches, 1¼-inch hose	4	...	3	3								
Buckets, miner's	4	...	2	2								
Candlesticks, miner's	20											
Cases, mining, { common, gallery	20											
{ shaft	40	...	30	30								
Frames, mining, { branch, gallery	6											
{ common, gallery	8											
{ shaft	12	...	6	6								
{ shaft top	2	...	1	1								
Ladders, rope, miner's, 20-feet...	3	...	1	1								
Picks, push	6	...	2	2								
Trucks, miner's	4	...	1	1								
Woolwich Section, No. 4.												
CARTS AND WAGONS.												
Casks, water, 108 gallons	28‡	28‡	28	28	...	...	...	...	...	28	...	‡ To be provided locally at Singapore; not supplied at Woolwich and Ceylon.
Woolwich Section, No. 5.												
Sponges, G.S.	...	...	...	...	...	...	...	1				

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Woolwich Section, No. 7.													
Tools, Artificer's and Labourer's.													
Augers, screw, bull-nosed, 2 inches			2	1	...	2							
Augers, screw, bull-nosed, 1-inch			2	1	...	2							
Augers, screw, common, 1¼-inch			2	1									
Augers, handles, 18½-inch			2	1	...	2							
Augers, handles, 16-inch			2	1	...	2							
Chalk, prepared, red and blue		boxes	...	...	...	...	...	...	...	2	...	...	...	Annual supply.
Chalk, prepared, white		,,	1	1	1	1	1	1	1	...	...	...	...	Annual supply.
Chisels, brick, 18-inches			...	...	...	...	...	...	...	...	...	...	4	
Dogs, sawyer's, cross, 15-inches			20	20	...	...	...	40	...	...	...	...	...	Annual expenditure 50 per cent.
Dogs, sawyer's, straight, 15-inches			20	20	...	...	...	40	...	...	...	...	...	Annual expenditure 50 per cent.
Gimlets, spike, ¼-inch			2	1										
Grindstones, F.S., 10-inches			1	1	1	1	1	2	...	1				
Hammers, claw, 20-ozs			4	1	1	1	1	...	...	2				
Hammers, collar maker's			...	...	...	...	...	...	2					
Hammers, smith's, sledge, 12 lbs.			...	...	...	...	..	2	2					
Levels, F.S., 4-feet			4	2	2	1	1	2	1	2	...	...	1	
Mallets, carpenter's			2	1										
Pliers, sidecutting, 7-inch		pairs	4	2	...	...	...	4	6					
Saws, cross-cut, blades, 7-feet			1	1	...	...	...	1	...	...	...	...	1	
Saws, cross-cut, handles		pairs	1	1	...	...	...	1	...	...	...	...	1	
Saws, hand, 26-inch			6	3	2	1	1	1	...	2	...	...	1	
Spikes, marline, iron, 10-inch			10	5	5	5	5	...	...	5	...	...	40	
Trowels, modelling			...	...	20	20	20	20	50					
Wire, iron, No. 24 W.G.		lbs.	...	...	...	...	...	5	...	...	...	...	...	For fixing barbed wire.
Wire, iron, No. 14 W.G.		,,	200	100	112	112	112	112	200	...	84†	...	...	Annual expenditure 50 per cent.
Woolwich Section, No. 10.														
A.—Ironmongery, &c.														
Nails, iron, spike, No. 184		lbs.	28	14	...	...	...	100	...	...	...	...	...	Annual supply.
Nails, steel, brad, cut, No. 1		,,	...	...	...	...	...	...	½	...	...	...	...	Forms G. 989/20.
Nails, steel, clasp, cut, No. 63		,,	28	14	...	...	...	14	...	...	...	...	...	Forms G. 989/20.
C—Anchoring, &c., Apparatus.														
38407 Eqt. 1947 Anchors, boat, 1 cwt.§			4	4	4	4	4	...	...	...	...	4	...	Not supplied at Woolwich and Ceylon.
38407 Eqt. 1947 Chain, iron, crane, ½-inch (in lengths of 12 fms.)		fms.	48	48										Not supplied at Woolwich and Ceylon.

* Including additional expendible stores for the instruction of the Survey Detachment, R.E.
† For the instruction of the Survey Detachment, R.E.
§ Not included in third set of stores authorised for Aldershot.

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APPENDIX XI—*continued.*

Description of Articles.	For Company of R.E., except West India Fortress Coy., R.E.	For Half-Company of R.E. at Ceylon and Singapore.	West India Fortress Coy., R.E.		Sierra Leone Fortress Coy., R.E.	For Battalion of Infantry, except Barbados, Mauritius, St. Lucia, and Ceylon.	For Infantry at Mauritius, Barbados, St. Lucia, and Ceylon.	For Staff Officer for Instruction.	Extra stores specially authorised.			Remarks.
			Jamaica.	St. Lucia.					For Royal Engineers at Curragh.*	For Infantry at Dublin.	For Infantry, Tower of London.	
Woolwich Section, No. 11.												
A.—OIL, PAINT, AND CHEMICALS.												
Chalk, white ... ... lbs.	1	1	1	1	1	10	1	4	...	...	2	Annual supply.
Woolwich Section, No. 12.												
TIMBER.												
Sheeting, miner's ... ... pieces	80	...	20	20								
Timber:—												
Planks, bridging service, 10′ × 12″ × 1½″ ...	100	60	45	45	45	40	40	40	...	75	...	
Length Diameter												
Spars, bridging service—												
41 feet ... 8 inches mean	4	4	...	...	...	...	...	...	...	...	...	
35 ,, ... 9 ,, ,, ...	...	...	...	...	...	...	...	...	...	4	...	
33 ,, ... 6 ,, ,, ...	10	10	...	...	...	...	...	...	...	...	...	
33 ,, ... 3 ,, ,, ...	4	4	...	...	...	...	...	...	...	...	...	
30 ,, ... 10 ,, ,, ...	2	2	2	2	2	...	...	...	...	...	...	
30 ,, ... 5 ,, ,, ...	...	...	...	...	...	...	...	...	...	14	...	
24 ,, ... 7 ,, ,, ...	2	2	...	...	...	...	...	...	...	...	...	
22 ,, ... 9 ,, ,, ...	4	4	4	4	4	4	4	4	...	...	4	At stations abroad, timber for bridging purposes will be provided locally in all cases where such a course will result
22 ,, ... 5 ,, ,, ...	...	...	...	...	...	...	...	...	...	4	10	
20 ,, ... 7 ,, ,, ...	...	...	14	14	14	...	...	14	...	...	...	
20 ,, ... 4 ,, ,, ...	4	4	4	4	4	12	12	...	...	4	8	
18 ,, ... 12 ,, ,, ...	2	2	...	...	...	...	...	...	...	...	...	
18 ,, ... 6 ,, ,, ...	10	10	...	...	...	10	10	...	...	...	...	

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Length Diameter													
Spars, bridging service—													
18 feet ... 4 inches mean	2	2	...	...	...	4	4	...	...	...	...	in economy. The description of timber will be left to the discretion of the Commanding Royal Engineers.
16 ,, ... 7 ,, ,, ...	...	...	...	...	...	3	3	...	...	...	...	
16 ,, ... 6 ,, ,, ...	15	15	15	15	15	...	...	...	...	...	...	
16 ,, ... 4 ,, ,, ...	8	8	10	10	10	8	8	4	...	...	...	
15 ,, ... 10 ,, ,, ...	4	4	2	2	2	1	1	1	...	3	1	
15 ,, ... 5 ,, ,, ...	11	11	2	2	2	32	32	2	...	13	6	
13 ,, ... 7 ,, ,, ...	...	...	...	...	...	3	3	...	...	12	...	
12 ,, ... 2½ to 4 inches mean	...	...	...	...	...	...	...	...	...	8	...	
5 ,, ... 3 inches mean	6	6	8	8	8	6	6	6	...	20	...	
2 ,, ... 2 ,, ,, ...	...	...	...	...	...	...	...	...	...	8	...	
Planks, bridging service, 10′ × 12″ × 1½″	85	85	44	44	44	78	78	34	...	75	...	
Handrails ... ... feet run	170	170	100	100	100	180	180	80	...	...	...	
Timber, slight, length and size immaterial ,,	...	...	100	100	100	...	...	...	...	...	...	
Profiling stuff { 1½″ × ¾″ ... ... ,,	...	...	...	...	...	...	...	...	...	...	...	
{ (model), ¾″ × ¼″ ... ,,	...	...	...	...	...	...	500	...	...	...	...	Local purchase. Annual supply 10/- per battalion; 5/- per class.
Woolwich Section, No. 14.												
GARRISON AND SIEGE MOUNTINGS, ETC.												
Handspikes, common, 6-feet	6	3	3	2	2	...	2	2	...	2	2	
Platforms, siege, double-decked, fitted with anchoring arrangements for 6-in. B.L. howitzer ...	1	1	1	1	1							
Woolwich Section, No. 18.												
BLOCKS, CANVAS, CORDAGE, ETC.												
Blocks, malleable iron { 7-in. { double	1	1	1	1	1							
{ 7-in. { treble	1	1	1	1	1							
{ 7-in. { snatch	2	1	1	1	1	...	...	...	...	...	2	
{ 4-in. { double	1	1	1	1	1	...	...	1				
{ 4-in. { single	2	2	2	2	2	...	...	1				
Cordage, { spunyarn, hemp, tarred, 3-thread ... lbs.	40	14	14	7	7	14	10	28	...	7	14	Annual supply.
Cordage, { 3-inch { 30 to 36 fms. (guys) ..	8	8	8	8	8	8	8	8	...			
Cordage, { 3-inch { 9 fms. (foot ropes) ...	4	4	4	4	4	4	4	4				
Cordage, { hawser, 3-strand, tarred 2 ,, { 15 ,, (falls)	...	...	...	...	...	...	...	...	...	2	...	
Cordage, { hawser, 3-strand, tarred 2 ,, { 9 ,, (lashings) .	...	...	...	...	...	6	6					
Cordage, { hawser, 3-strand, tarred 2 ,, { 6 ,, ,, ...	12	12	10	10	10	4	4	6				
Cordage, { hawser, 3-strand, tarred 1½ ,, 6 ,, ,, ...	76	76	6	6	6	79	79	6	...	10	10	
Cordage, { hawser, 3-strand, tarred 1½ ,, 2½ ,, ,, ...	...	...	...	...	...	...	...	...	...	30		
Cordage, { hawser, 3-strand, tarred 1 ,, 6 ,, ,, ...	35	35	73	73	73	36	26	59				
Cordage, { hawser, 3-strand, tarred 1 ,, 1 ,, ,, ...	...	...	...	...	...	36	...	...	...	...	36	For teaching knots.

* Including additional expendible stores for the instruction of the Survey Detachment, R.E.

† For a single lock bridge or a trestle bridge of 3 bays of 10-feet legs. (See Manual of Military Engineering.)

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APPENDIX XI.—*continued.*

Description of Articles.	For Company of R.E. except West India Fortress Coy., R.E.	For Half-Company of R.E. at Ceylon and Singapore.	West India Fortress Coy., R.E.		Sierra Leone Fortress Coy., R.E.	For Battalion of Infantry, except Mauritius, Barbados, St. Lucia, and Ceylon.	For Infantry at Mauritius, Barbados, St. Lucia, and Ceylon.	For Staff Officer for Instruction.	Extra stores specially authorised.			Remarks.
			Jamaica.	St. Lucia.					For Royal Engineers at Curragh.*	For Infantry at Dublin.	For Infantry, Tower of London.	
Woolwich Section, No. 18—cont.												
57 Lines, Hambro'	10	5	5	2	2	2	2	6	...	...	1	
Vocab. Rope, galvanised, steel wire, 3-inch ... fathoms	100											
4752 Twine, whipping, coarse ... ... lbs.	7	4	7	7	7	4	4	7	...	...	7	Annual supply.
B.—SIDE-ARMS, TAMPEONS, &c.												
Selvagees, ordinary, 4-ft.	...	...	..	...	...	...	...	...	...	2		
Woolwich Section, No. 19. HALF WROUGHT STORES.												
Brushwood—												
Fascines ... ... bundles	¶	...	...	...	...	¶	...	...	100†	24	..	¶ For the Royal Engineers three bundles of brushwood, and for Infantry two bundles (one for fascines and one for gabions) per man exercised annually
Gabions ... ... ,,		...	...	...	...		...	...	100†	...	...	
Pickets** (High wire entanglements) ,,	...	...	4	4	4	100	2	...	...	...	...	**These pickets can be cut in half for low wire entanglements or fascines.
Woolwich Section, No. 21. GUNCOTTON AND GUNPOWDER.‡												
Cordite, $\frac{A}{M}$... ... ... lbs.	20	...	...	...	...	...	...	...	...	...	...	
Guncotton, dry primers { F... ... ... ,,	5	3	2	2	2	...	...	...	2†	...	...	
dry primers { H... ... ... ,,	5	3	2	2	2	...	...	...	2†	...	...	
wet slabs { S (or P) ... ... ,,	15	10	6	6	6	...	...	...	12†	...	..	Annual supply.
wet slabs { T (or Q) ... ... ,,	15	10	6	6	6	...	...	...	12†	...	...	
Gunpowder, R.L.G.§ ... ... ,,	50	25	50	50	50	...	...	...	25†	...	...	

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Woolwich Section, No. 22.														
FUZES, ETC.														
Detonators, electric, No. 13		25‖	12	...	...	...	...	...	...	12†	...	..		
Detonators, No. 8		25‖	12	15	15	15	...	...	...	12†	.	..		
9391 L. of C. Fuze, instantaneous ... yards		100‖	50	25	25	25	...	...	...	50†	...	..		Annual supply.
Fuze, safety, No. 9 fathoms		50‖	25	12	12	12	...	...	...	25†	...	..		
Fuzes, electric, No. 14		25‖	12	...	...	...	...	...	...	...	...	...		
Matches, Vesuvian ...boxes		5‖	3	2	2	2	...	...	...	3†	...	..		
Woolwich Section, No. 25.														
BARRACK AND HOSPITAL STORES. (PART 1.)														
Boards, black, musketry instruction		...	...	...	...	...	...	...	1					
Easels, musketry instruction		...	...	...	...	...	...	...	1					
Woolwich Section, No. 26.														
BARRACK AND HOSPITAL STORES. (PART 2.)														
Casks, water, 54 gallons		30a												
Stones, rub, scythe		6	3	1	1	1	6							
Woolwich Section, No. 27.														
B.—TEXTILE STORES.														
Check, cotton ... yards		...	...	...	...	...	...	...	2					
Gloves, hedging ... pairs		3	2	3	3	3	3	3	...	...	...	...		For barbed wire.
Woolwich Section, No. 28.														
A.—SUBMARINE MINING STORES.														
Apparatus, diving, gauntlets ... pairs		1	1											
Exploders, dynamo, electric, quantity		1	1											

* Including additional expendible stores for the instruction of the Survey Detachment, R.E.

† For the instruction of the Survey Detachment, R.E.

‡ Guncotton will not be demanded for Field Companies, R.E.

Four times the quantity of guncotton and gunpowder, as for a Company, R.E., will be allowed to Gibraltar, and twice the quantity to Malta.

§ See also Dynamite, and note.

‖ Will not be demanded for Field Companies, R.E.

Special quantities as under are allowed for the instruction of the Royal Engineers at Gibraltar and Malta—

		Gibraltar.	Malta.			Gibraltar.	Malta.
Detonators.	electric, No. 13...	100	50	Fuze,	instantaneous ... yards	400	200
	No. 8	100	50		No. 9 ... ... fathoms	200	100
				Matches, Vesuvian ... ... boxes		20	10

a Authorised for supply at Malta, Gibraltar, and Aldershot. Two full sets are authorised for Gibraltar and Aldershot, one set will include casks, water, 108 gallons; and the other, casks, water, 54 gallons. The third set of stores authorised for Aldershot will not include casks, water.

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APPENDIX XI—*continued.*

Description of Articles.	For Company of R.E., except West India Fortress Coy., R.E.	For Half-Company of R.E. at Ceylon and Singapore.	West India Fortress Coy., R.E.		Sierra Leone Fortress Coy., R.E.	For Battalion of Infantry, except Mauritius, Barbados, St. Lucia, and Ceylon	For Infantry at Mauritius, Barbados, St. Lucia, and Ceylon.	For Staff Officer for Instruction.	Extra stores specially authorised.			Remarks.
			Jamaica.	St. Lucia.					For Royal Engineers at Curragh.*	For Infantry at Dublin.	For Infantry, Tower of London.	
Woolwich Section, No. 28—cont.												† Only half the quantities of Pontoon Stores shown in column 2 allowed for Singapore, except "Ways, launching," of which one pair will be allowed.
F.—PONTOON STORES, MARK II.†												
Pontoons—												
Baulks, mark II.	...	...	...	...	...	...	...	...	15	...	...	
Buoys	4	4	4	4	...	...	...	...	...	4		
Cables	4	4	4	4	...	...	...	...	...	4	...	
Chesses	...	...	...	...	...	...	...	...	54	...	30	
Hooks, boat, 11-feet 7½-inches	2	2	2	2	...	...	...	...	...	2	...	Not included in third set of stores authorised for Aldershot.
Lashings, oar	4	4	4	4	...	...	...	...	...	4	...	
Lashings, transoms, 16-feet...	32	32	32	32	...	...	...	...	...	32	...	
Lines, breast, 60-feet...	12	12	12	12	...	...	...	...	...	12	...	
Oars, ash, leathered, 12 feet...	14	14	14	14	...	...	...	...	...	14	...	
Sticks, rack	48	48	32	32	32	40	40	24	...	...	...	At stations abroad, timber for bridging purposes will be provided locally in all cases where such a course will result in economy. The description of timber will be left to the discretion of the Commanding Royal Engineers.
Transoms, mark III.	...	...	...	...	...	...	...	...	2	...	...	
Trestles	...	...	...	...	...	...	...	...	2	...	...	
Pontoons, barrel pier:—												
Baulks, mark II.	20	20	20	20	...	...	...	...	...	14	...	
Braces	48	48	48	48	...	...	...	...	...	48	...	
Gunwales, 21′ × 5″ × 4″	8	8	8	8	...	...	...	...	...	8	...	
Outriggers, mark II	4	4	4	4	...	...	...	...	...	4	...	
Ribands...	8	8	8	8	...	...	...	...	6	...	...	
Slings	8	8	8	8	...	...	...	...	...	8	...	
Tie baulks	8	8	8	6	...	...	...	...	...	...	...	
Ways, launching ... ... pairs	1	1	1	1	...	...	...	...	...	1	...	Not supplied at Woolwich and Ceylon.

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Woolwich Section, No. 29.															
A.—Telegraph and Survey Apparatus, &c.															
Batteries, Leclanché, telegraph, 10-cell	...	...	2	2	...	...	...	...	...	...	...	...	...		
Boards, sketching	...	...	...	...	...	...	...	...	...	2	...	...	...		
Boxes, testing and jointing, filled	...	...	1	1	...	...	...	...	...	...	...	...	...		
Chains, measuring, 66-feet	...	...	..	...	...	...	...	...	...	1	...	...	...		
Clinometers, mirror	...	...	...	...	...	...	...	...	...	1	...	...	...		
Compasses, prismatic	...	...	...	...	...	...	...	...	...	6	...	...	...		
Instruments, drawing, R.E.	...	...	...	sets	...	...	...	...	...	1	...	...	...		
Levels, pocket	...	...	...	...	...	...	...	...	...	2	...	...	...		
Protractors, ivory, 6-inch	...	...	...	...	...	...	...	...	...	6	...	...	...		
Rods, measuring, common, 6-feet	...	...	...	...	10	5	6	3	3	6	10	4	...	...	2	One only for Ceylon.
Rulers, { flat, ebony, 2-feet	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	
Rulers, { parallel, rolling, 1-foot 6-inches	...	..	...	...	...	...	...	...	...	...	...	1	...	...	...	
Scales, mathematical, boxwood, No. 3	...	set	...	...	...	...	...	...	...	1	...	...	...		
Sextants, pocket	...	...	...	...	...	...	...	...	...	2	...	...	...		
Tables, plane, large	...	...	...	..	...	...	...	...	...	1	...	...	...		
Tapes, measuring, 50-feet	...	...	...	..	2	1	2	2	2	1	...	2	...	...	2	
Wire, covered, C 8 ‡	...	...	...	... miles	½	½	...	...	...	...	...	...	...	...	...	
Woolwich Section No. 31.															
Old Stores.															
Cordage, old, for teaching knots	...	...	lbs.		28	14	14	10	10	28	...	28	...	...	28	Annual supply.
Not in Vocabulary.															
Dynamite§	...	...	...	...	...	lbs.	10	10	...	...	...	...	...	10‖	...	...	Provided locally. Annual supply.

* Including additional expendible stores for the instruction of the Survey Detachment, R.E.

‡ 100 yards may also be expended annually.

§ At stations where dynamite cannot be provided locally, it will not be supplied, but twice the quantities of gun-powder included in this Appendix, page 216, may be drawn.

Special quantities (or gunpowder in lieu) are allowed to Gibraltar and Malta, viz.:—

Gibraltar ... ... 80 lbs.
Malta ... ... 40 lbs.

‖ For the instruction of the Survey Detachment, R.E.

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APPENDIX XI—*continued.*

Description of Articles	For Company of R.E., except West India Fortress Coy., R.E.	For Half-Company of R.E. at Ceylon and Singapore.	West India Fortress Coy., R.E.		Sierra Leone Fortress Coy., R.E.	For Battalion of Infantry, except Mauritius, Barbados, St. Lucia, and Ceylon.	For Infantry at Mauritius, Barbados, St. Lucia, and Ceylon.	For Staff Officer for Instruction.	Extra stores specially authorised.			Remarks.
			Jamaica.	St. Lucia.					For Royal Engineers at Curragh.*	For Infantry at Dublin.	For Infantry, Tower of London.	
NOT IN VOCABULARY—contd.												
Models { elementary ... ... sets	...	...	...	...	...	...	...	2	...	...	...	
Models { uncontoured, 6 to a set ... ... ,,	...	...	...	...	...	...	...	1	...	...	...	
Pans, warming, for thawing dynamite	1	.	...	...	...	...	...	...	...	...	...	
Pickets, { 5-feet	100	50	50	50	50	100	100	...	...	...	...	} Annual supply for wire entanglements.
Pickets, { 2-feet 6-inches	200	100	100	100	100	200	200	...	...	...	...	} Annual supply for wire entanglements.
Presses, for storing instruments, paper, etc. ..	...	...	...	..	...	...	...	1	...	...	...	
Ropes, { 3-inch, 9 fathoms	4	4	4	4	4	4	...	4	...	...	4	
Ropes, { 2-inch, 18 fathoms	...	...	...	...	...	...	2	...	...	...	2	
Ropes, { tarred, 2 ,, 9 ,, ...	...	...	...	...	...	...	...	...	...	...	4	
Ropes, { tarred, 1½ ,, 6 ,, ...	...	...	...	...	...	...	...	...	...	...	10	
Ropes, { tarred, 1 ,, 3½ ,, ...	...	...	...	...	...	...	...	...	...	...	10	
Ropes, { white, 3-inch, 6 to 9 fathoms ...	...	...	...	...	...	...	4	...	...	...	...	
Ropes, { white, 3-inch, 20 to 30 ,, ...	...	...	...	...	...	...	8	...	...	...	...	
Sand ... ...yards	...	...	...	...	...	...	...	...	...	...	...	Special supply.
Straw ... ... trusses	20	10	...	...	...	...	...	...	10†	...	...	Local purchase. Annual supply.
Tanks, for water and waste for class-room (R.M.A. pattern)...	...	...	...	...	...	...	...	1	...	...	...	
SUPPLIED FROM WAR OFFICE.												
Smooth drawing paper, "War Office, Columbia," sheets	...	...	...	...	...	...	...	36	...	...	...	
Paper, ruled, for prismatic compasses ... ,,	...	...	...	...	...	...	...	10	...	...	...	
Paper, large, coarse, called "endless paper," for maps and diagrams ... ... rolls	...	...	...	...	...	...	...	1	...	...	...	
Indian ink... ... ... cakes	...	...	...	...	...	...	...	2	...	...	...	
Boxes of moist colours, complete, with large, medium, and small brushes...	...	...	...	...	...	...	...	1	...	...	...	

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APPENDIX XII.

(Referred to in Paragraph 265c.)

Lists A and B of tools and stores for instruction in military engineering for a battery of horse or field artillery.

List A.—General list of stores required by batteries of horse and field artillery for performing all the operations mentioned in Field Artillery Drill, Chapter V, Sections 1, 2, and 3.

List A.

Description of Stores.	No. allowed.	Remarks.
Woolwich Section, No. 2.		
Camp Equipment.		
Mauls, G.S.	4*	
Posts, picket, 2½-ft.	20*	
Ropes, picketing, tarred	4*	
Tools, &c., for Intrenching.		
Axes, pick, { heads, 6½-lb.	8*	
Axes, pick, { helves, 34½-in.	8*	
Spades, N.P.	8*	
Woolwich Section, No. 4.		
Carts and Wagons.		
Casks, water, 108 gallons..	21	
Woolwich Section, No. 12		
Timber.		
Timber—		
Planks, bridging, service—		
10 ft. by 12 in. by 1½ in.. ..	45	
Spars, bridging, service—		
Length. *Diameter.*		
40 feet at tip, 4 ins. to 6 ins...	1	
35 ,, mean, 10 ins.	1	
24 ,, ,, 5 ins.	20	
15 ,, at butt, 10 ins. ..	4	

* The stores forming the equipment of the battery under instruction will be available to make up these quantities.

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List A—*continued.*

Description of Stores.	No. allowed.	Remarks.
Woolwich Section, No. 13.		
Field Artillery Carriages, &c.		
Limbers, field	1*	
Woolwich Section, No. 14.		
Garrison and Siege Mountings, &c.		
Handspikes, common, 6-ft.	2	
Woolwich Section, No. 18.		
Side Arms, Blocks, Cordage, &c.		
Blocks, wood, snatch, 8-in.	1	
Cordage, spunyarn, hemp, 3-thread, tarred .. .. lbs.	14	To be replaced as expended.
Ropes, drag, light, G.S. .. .. pairs	12*	
Woolwich Section, No. 28.		
Pontoon Stores.		
Braces, barrel pier	36	
Woolwich Section, No. 29.		
Telegraph Equipment, &c.		
Rods, measuring, common, 6-ft. ..	1	
Tapes, measuring, 50-ft.	1	
Not in Vocabulary.		
Falls, tarred, 2½-in., 30 fathoms	1	
Lashings, tarred, { 1½ in., 5 fathoms .. / 1 ,, 3½ ,, ..	40 / 10	
Ropes, tarred, 3-in., 9 fathoms	1	
Poles, wood, limber, field		
Tackles, luff, tarred, 2½-in. rope, 10 fathoms, with one double and one single 8-in. Admiralty blocks, single sets		
Wheels, travelling, 2nd class, metal nave, field	4*	

* The stores forming the equipment of the battery under instruction will be available to make up these quantities.

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APPENDIX XII—*continued.*

LIST B.—List showing the Stores required for the several operations.

Operation.	Nature of Stores.	Stores required.	Remarks.
Steep inclines.	Axes, pick, helved, 6½ lbs.	2	
	Lashings, tarred, 1½-in., 5 fms.	8	
	Mauls, G.S.	2	
	Posts, picket, 2½-ft.	6	
	Ropes, picketing, tarred.	2	
	Spades, N.P.	2	
Passing a ravine on two spars laid horizontally. (If four spars are available 12 lashings will be required).	Axes, pick, helved, 6½ lbs.	2	
	Lashings, tarred, 1½-in., 5 fms.	4	
	Posts, picket, 2½-ft.	2	
	Ropes, drag, light	6	
	Spades, N.P.	2	
	Timber, spars, 15 ft. to 20 ft. mean diam. 10-in.	2	
Using limber to support the road bearers.	Axes, pick, helved, 6½ lbs.	2	
	Lashings, tarred, 1½-in., 5 fms.	14	
	Lashings, tarred, 1-in., 3½ fms.	10	
	Limbers, field	1	
	Posts, picket, 2½-ft.	4	
	Ropes, drag, light	4	
	Spades, N.P.	2	
	Mauls, G.S.	2	
	Timber, planks, 10 ft. by 12 in. by 1½ in.	40	
	Timber, spars, 24 ft. by 5 in. mean	14	
	Timber, spars, 15 ft by 10 in. at but	4	
Cask raft, for gun and limber.	Braces, barrel pier	12	
	Casks, water, 108 gallons	8	
	Lashings, tarred, 1½-in., 5 fms	12	

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	Ropes, drag, light .. .. .. pairs	6	
	Ropes, picketing, tarred	2	
	Poles, wood, limber, field	4	
	Timber, planks, 10 ft. by 12 in. by 1½ in...	4	
	Timber, spars, 24 ft. mean diameter 5 in...	3	
	Boat hooks	2	
Cask raft for gun, limber, and team.	Braces, barrel, pier	36	
	Casks, water, 108 gallons	21	
	Lashings, tarred, 1½-in., 5 fms.	40	
	Ropes, drag, light .. .. .. pairs	2	
	Ropes, picketing, tarred	1	
	Timber, 10 ft. by 12 in. by 1½ in.	45	
	Timber, 24 ft. mean diameter 5 in... ..	20	
	Boat hooks	4	
Swinging derrick at end of jetty.	Blocks, wood, 8-in. snatch, Admiralty ..	1	
	Blocks, wood, 8-in. double, bothway ..	2	
	Cordage, tarred, spunyarn, hemp, 3-thread lbs.	7	
	Falls, tarred, 2½-in., 30 fms.	1	
	Lashings, 1½-in., 5 fms...	16	
	Axes, pick	2	
	Spades, N.P.	4	
	Wheels, field	3	
	Mauls, G.S.	4	
	Posts, picket, 2½-ft.	20	
	Ropes, drag, light .. .. .. pairs	6	
	Ropes, picketing, tarred	4	
	Ropes, tarred, 3-in., 9 fms.	1	
	Tackles, luff, complete .. .. single sets	2	
	Timber, spars, 40 ft. at tip 4 in. to 6 in.	1	
	Timber, spars, 35 ft. by 10 in. mean	1	
	Timber, spars, 15 ft. by 10 in. at butt	1	
Epaulments, gun pits, shelter trenches.	Axes, pick, helved, 6½ lbs.	1	For each man of the working party, and 10 per cent. spare.
	Spades, N.P.	1	

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APPENDIX XIII.

(REFERRED TO IN PARAGRAPH 265c.)

Lists of Tools and Stores for Instruction in Military Engineering for a Regiment of Cavalry

Stores for the Instruction of Cavalry Pioneers in Military Engineering.

Description.	Stores required.	Subject for which required.	Remarks.
WOOLWICH SECTION, No. 2.			
A.—Camp Equipment.			
Hooks, bill	3	For bivouacs and huts.	
Mauls, G.S.	1	For bridging.	
Posts, picket, 5 ft.	4	„ „	
C.—Tools, &c., for Intrenching.			
Mallets, fascine	2	For bivouacs and huts.	
WOOLWICH SECTION, No. 4.			
Carts and Wagons.			
Carts, water tank, taps	1	For water supply.	
Casks, water, 108 gallons (with bung near bottom to fit tap)	1	„ „	
WOOLWICH SECTION, No. 7.			
Tools, Artificers' and Labourers'.			
Hammers, claw, 14 oz.	1	For water supply.	
Saws, hand, 26-in.	1	„ „	
Wire, copper, No. 28 W.G. oz.	6	For demolitions	Annual supply.
Wire, iron, soft, No. 14 W.G. lbs.	30	For obstacles	„ „

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Woolwich Section, No. 10.				
A.—Ironmongery, &c.				
Nails, wire, French, 2-in.	lbs.	3	For water supply.	
B.—Platelayers' Tools, &c.				
Plant, railway, old, chairs		12	For demolitions.	
Plant, railway, old, keys, wooden		12	„ „	
Plant, railway, old, rails, lengths of 6 yards		2	„ „	
Plant, railway, old, sleepers		6	„ „	
Woolwich Section, No. 12.				
Timber.				
Timber—				
Planks, bridging, service, 10 ft. × 12 in. × 1½ in.		25	For bridging.	
Spars, bridging, service—				
Length. Diameter.				
16 feet, mean 4 inches		1	„ „	
16 „ „ 3 inches or 4 inches		2	„ „	
15 „ at butt 6 inches		12	„ „	
15 „ mean 4 inches		4	„ „	
14 „ „ 8 inches or 9 inches		3	„ „	
12 „ „ 3 inches		4	„ „	
Deals, Baltic, yellow, 9 in. × 1 in.	ft. run	40	For water supply.	
Old	tons	¼	„ „	
Woolwich Section, No. 18.				
A.—Blocks, Canvas Cordage, &c.				
Cordage, hawser, 3-strand, tarred, 1½-in. (in lengths of 5 fathoms)	fms.	100	For bridging.	
Cordage, spun yarn, hemp, 1-thread, tarred	lbs.	10	For bivouacs and huts	Annual supply.

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APPENDIX XIII—*continued.*

Description.	Stores required.	Subject for which required.	Remarks.
WOOLWICH SECTION, No. 19.			
Half Wrought Stores.			
54 Cavalry 218 Brushwood, fascines .. .. .. bundles	40	For bivouacs and huts	Annual supply.
WOOLWICH SECTION, No. 21.			
Filled Cartridges, &c.			
Guncotton, dry primers, F .. .. lbs.	1⅛	For demolitions ..	Annual supply
Guncotton, wet slabs, S (or P) (½ slab) .. .. „	1	„ „ ..	„ „
WOOLWICH SECTION, No. 22.			
Fuzes, Rockets, Tubes, &c.			
Fuze, instantaneous .. .. yards	30	For demolitions ..	Annual supply.
Fuze, safety, No. 7 .. .. fms.	8	„ „ ..	„ „
Detonators, No. 8	50	„ „ ..	„ „
WOOLWICH SECTION, No. 28.			
F.—Pontoon Stores.			
Pontoons, sticks, rack	12	For bridging.	
Not in Vocabulary.			
Gravel (as required, on the spot)	..	For water supply.	
Poles, hutting, 2-in. to 3-in. diameter, 12-ft. lengths	50	For bivouacs and huts	Annual supply.
Pickets, wood, 2-ft. 6-in.	50	For obstacles	„ „
Sand, coarse .. .. bushels	4	For water supply ..	„ „
Straw, thatching, wheat .. .. tons	½	For bivouacs and huts	„ „

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APPENDIX XIV.

MATERIALS FOR REPAIR OF HARNESS AND SADDLERY.

1. In calculating for establishments beyond those given, the higher numbers should be used, and columns added together, as far as possible. For example :—

20 sets = $\frac{1}{2} \times 40$ not 4×5.
49 „ $= 40 + 8$ „ 10×5.

A variation of two sets may be disregarded.

2. Infantry battalions having three or four sets of harness will draw for five sets, which will include their universal saddlery.

3. Hides and backs should be cut lengthwise from neck to butt, when it is necessary to divide them into proportions.

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Materials for Repair of

TABLE 1.	Peace—12 Months'				
		Harness.			
	Officers.	Single Sets.			
	5 Sets.	5	8	25	40
40116/6477 *Woolwich Section, No. 5.*					
Protectors, cloak	..	..	..	1	2
Saddle-trees, flaps, drivers' .. pairs	..	..	1	2	3
flaps, luggage .. „	..	..	1	2	3
flaps, officers' .. „	1	..	..	..	..
seats, drivers'	..	..	1	2	3
seats, luggage	..	..	..	1	2
seats, officers'	1	..	..	..	..
Traces, attachments, steel releasable	..	..	..	1	2
chains, wheel, steel ..	..	..	..	1	2
hooks (with rubber ring)..	..	..	..	1	2
rings (rubber)	..	10	16	50	80
short, hooks, Mark II, pole draft	..	..	..	1	2
Woolwich Section, No. 6.					
Bits, pattern '84 chains, 6 links ..	..	1	1	3	5
pattern '84 „ 5 „ ..	..	..	..	..	..
bridoon, chains, curb	..	..	..	..	..
bridoon, hooks, „	..	..	..	..	..
Buckets, carbine, magazine; dees ..	..	..	..	..	..
Attachments, V-girth .. pairs	..	..	1	2	3
Basils, brown, strained	1	*	*	*	*
Basils, brown, unstrained	..	2	4	12	20
Blankets, saddle, cuttings .. lbs.	..	½	¾	2	3½
Bosses, bit, O.P.	1	1	1	3	5
Bosses, „ N.P.	..	..	..	..	..
Bosses, breastplate (with washers)	..	..	..	..	..
Bosses, head collar, officers' ..	1	..	..	..	..

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Harness and Saddlery.

Supply.				War.		
Saddlery.				3 Months' Supply.		
Sets.				Harness.	Saddlery.	Remarks.
6	15	40	100	50 Double Sets.	100 Sets.	
..	..	..	..	..	..	
..	..	..	..	..	..	
..	..	..	..	..	..	
..	..	..	..	..	..	
..	..	..	..	..	..	
..	..	..	..	..	..	
..	..	..	..	..	..	
..	..	..	..	2	..	R.A. only.
..	..	..	..	..	..	
..	..	..	..	3	..	
..	..	..	..	..	..	For use with the special wheel hook.
..	..	..	..	..	..	R.A. only.
1	2	5	12	..	..	Not for mounted infantry.
1	2	5	12	..	..	Mounted infantry only.
1	2	7	15	..	..	
1	3	9	20	..	3	
..	..	1	3	..	..	For regiments having lances.
1	1	3	8	..	..	Not for luggage or O.P. transport saddles.
*	*	*	*	..	..	* 6 per 100 pairs hair pannels in use for "Peace."
..	..	..	..	6	..	
½	1½	3½	8	..	..	
1	2	5	12	..	..	
1	2	5	12	..	..	Cavalry only, Mark II bit.
1	2	4	8	..	..	
..	..	..	..	..	..	

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Materials for Repair of

TABLE 1—*continued.*

	Peace—12 Months'			
		Harness.		
	Officers.	Single Sets.		
	5 Sets.	5	8	25	40
Woolwich Section, No. 6—cont.					
Buckles, brass roller, double, 1⅛-inch	1	..	..	..	..
1 „	1	..	..	..	..
⅞ „	1	..	..	..	..
¾ „	1	1	2	4	8
⅝ „	1	..	..	..	..
brass roller, single, 1 „	..	..	..	1	2
¾ „	..	1	1	2	3
iron, barred, double roller, ⅞-inch	..	1	1	2	4
black japanned roller, single, 1⅜-inch	..	1	1	5	8
roller, barred, 1¼-inch, curved	1	1	1	2	3
double, 1¼-inch	..	1	1	2	4
1 „ curved ..	..	..	..	..	..
1 „	..	1	1	2	3
⅞ „	..	1	1	2	4
single, 2¼ „ bow leg ..	..	..	1	1	2
2¼ „ straight leg	..	..	1	1	2
2 „ bow leg ..	..	..	1	2	3
1¾ „ „ ..	..	..	1	1	2
1¾ „ straight leg	..	..	1	1	2
1½ „ bow leg ..	..	1	2	5	8
1 „ barred ..	1	1	2	5	8
1 „ short leg ..	..	..	..	..	..
¾ „	..	1	1	5	8
⅝ „	..	..	..	..	..
tinned, inlet, ⅝-inch ..	..	..	1	1	2
roller, 1¼-inch ..	..	..	1	1	2
bent heel, 1⅜-inch ..	..	..	1	2	4
2 „ ..	..	..	1	1	2
Cord, cotton .. .. .. yds.	..	1	2	6	10
whip .. .. .. lbs.	..	½	¾	2	3½
Dees, iron, 1⅜-inch	..	..	..	..	..
1 „	..	..	..	..	..
Facings, lambskin, R.A. .. sets	1	..	..	..	..
A.S.C. .. „	1	..	..	..	..
Felt, brown, 43 inches wide inches	..	5	5	10	15

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Harness and Saddlery—*continued.*

Supply.				War.		Remarks.
Saddlery.				3 Months' Supply.		
Sets.				Harness.	Saddlery.	
6	15	40	100	50 Double Sets.	100 Sets.	
..	..	..	..	..	..	
..	..	..	..	..	..	
..	..	..	..	..	..	
1	3	7	16	3	3	
..	..	..	..	..	..	
..	..	..	..	..	..	Luggage saddles only.
1	2	3	8	..	3	
..	..	..	..	2	..	
1	3	8	18	..	..	For stable-head collars.
1	2	5	12	3	3	
1	2	4	8	3	3	
..	1	3	6	..	..	For carbine buckets.
1	1	2	4	9	3	
1	2	4	8	3	..	
..	..	..	..	..	..	For shaft draught, 2¼-inch backbands and tugs.
..	..	..	..	..	..	
..	..	..	..	3	..	
..	..	..	..	6	..	For shaft draught, 1⅝-inch backbands and tugs.
..	..	..	..	..	..	
..	..	..	..	9	..	
1	3	8	20	6	6	For girths.
..	..	..	..	6	..	
1	3	8	20	9	6	
..	2	4	8	..	..	For regiments having lances.
..	1	2	4	..	..	
..	1	2	4	6	6	V-girth attachment.
..	..	..	..	..	..	For R.A. new pattern harness.
..	..	..	..	..	..	
..	..	..	..	6	..	
..	..	..	..	1½	..	
1	2	3	4	..	..	For mounted infantry
1	2	3	4	..	..	
..	..	..	..	..	..	R.A. and R.E.
..	..	..	..	..	..	A.S.C. only.
5	5	12	28	10	10	

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Materials for Repair of

TABLE 1—*continued.*

	Peace—12 Months' Harness.			
	Officers.	Single Sets.		
	5 Sets.	5	8	25	40
Woolwich Section, No. 6—cont.					
Flock .. .. lbs.	..	½	1	3	5
Hair, horse, saddlery	*	*	*	*	*
Hides, brown — backs — bridle	¼	..	..	..	..
Hides, brown — backs — collar	¼	¼	½	1⅓	2
Hides, brown — backs — heavy	..	¼	½	1	1½
Hides, brown — cloak	..	..	..	1/6	1/3
Hides, brown — light	..	..	..	¼	¼
Hides, brown — shoulders	..	..	..	½	1
Links, double, short trace ..	..	..	..	1	2
Links, curved, 2-inch, breeching	..	..	..	1	1
Pipes, trace, strips — wheel, 49-inch ..	..	1	2	5	8
Pipes, trace, strips — „ 16 „	..	1	2	5	8
Plates, brass, head-collar	..	1	2	5	8
Plates, „ V-attachment ..	..	1	1	3	4
Rings, brass — 1½-inch	1	..	..	..	..
Rings, brass — 1¼ „	1	..	..	..	..
Rings, brass — 1 „	1	..	..	..	..
Rings, iron — 1¾ „ slight	..	..	..	1	2
Rings, iron — 1¾ „ stout	..	..	..	..	..
Rings, iron — 1½ „	..	..	..	1	2
Rings, iron — 1⅛ „	..	..	..	..	..
Rings, iron — black japanned, 1¾-inch ..	..	..	..	1	2
Rivets, brass, head collar	..	15	20	65	100
Rivets, carbine bucket, with washers	..	..	..	..	..
Rivets, copper, ½-inch, No. 6 W.G., with washers	..	3	4	14	20
Saddletrees flaps, universal pairs	..	..	..	..	..
Saddletrees seats „ ..	..	..	..	..	..
Skins, lamb, black, for repairs ..	1	..	..	..	..
Squares, iron — black japanned 1¼″ × 1¼″ ..	..	..	1	1	2
Squares, iron — barred, black japanned..	..	..	1	1	1
Squares, iron — 1½-in., breeching ..	..	..	..	1	1
Rollers, for 1½-inch buckles	..	1	1	2	4
Serge, collarmakers' .. .. yds.	‖	‖	‖	‖	‖

* Hair pannels only, 7 lbs. per 25 pairs.
‡ Harness A.S.C. only.
2¼ yards for each 25 pairs hair pannels in use.

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Harness and Saddlery—*continued.*

Supply.				War.		
Saddlery.				3 Months' Supply.		
Sets.				Harness.	Saddlery.	Remarks.
6	15	40	100	50 Double Sets.	100 Sets.	
..	..	..	..	..	..	
*	*	*	*	6†	..	
..	¼	½	1¼	..	..	
¼	½	1¼	3	⅜	⅜	
..	..	..	..	5/16	..	
..	1/6	1/6	⅓	⅛‡	..	
..	..	..	..	..	..	
..	..	..	..	..	..	
..	..	..	..	..	..	} For R.A. only.
..	..	..	..	1	..	
..	..	..	..	3	..	
..	..	..	..	3	..	R.A. only.
1	3	8	20	..	..	For Mark III (cavalry pattern), head collar.
1	2	4	10	..	..	
..	..	..	..	..	..	
..	..	..	..	..	..	
..	..	..	..	..	..	
..	..	2	2	..	..	
..	..	..	..	..	..	1 per 25 pairs saddlery traces in use.
..	1	2	2	..	..	
..	1	2	2	..	..	
..	1	2	3	..	..	For stable head collars.
15	40	100	250	40	40	For Mark III (cavalry pattern), head collar.
2	6	15	36	..	..	
3	8	20	50	..	..	For stable head collars.
1	2	4	8	..	..	
1	2	4	8	..	..	
..	..	..	..	..	..	
..	1	2	3	..	..	
..	1	1	2	..	..	
..	..	..	..	..	..	R.A. only.
..	..	..	..	..	..	For tugs, backband.
‖	‖	‖	‖	3§	..	

† Luggage pannels.
§ Luggage pannels only.

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Materials for Repair of

TABLE 1—*continued.*

	Peace—12 Months'			
		Harness.		
	Officers.	Single Sets.		
	5 Sets.	5	8	25	40
Woolwich Section, No. 6—cont.					
Squares, brass	1	..	..	..	..
Squares, iron	..	..	1	1	4
Steel, pieces	..	..	..	..	..
Straps, girth, pattern '84	..	2	4	12	18
Studs, frog, sword saddle	..	..	..	..	..
Studs, head collar (and breast-plate)	..	1	1	3	5
Studs, wallet	1	1	1	2	4
Thread, black, 3-cord lbs. ozs.	0 2	..	..	..	..
Thread, flack fine „ „	0 4	0 8	0 12	2 8	4 0
Thread, whited brown „ „	0 1	*	*	*	*
Twine, quilting „ „	0 2	0 1	0 1	0 2	0 4
Web, hemp, 3-inch (straining) yds.	1	2	3	8	13
Web, hemp, 2 „ thick „	..	$\frac{1}{4}$	$\frac{1}{4}$	$1\frac{1}{4}$	2
Web, hemp, $1\frac{3}{4}$ „ „ „	..	$\frac{1}{2}$	$\frac{1}{2}$	2	$3\frac{1}{4}$
Web, worsted, blue $3\frac{1}{4}$-inch „	6	..	..	..	..
Buckles, nickel, roller, double, 1-inch	..	..	..	1	2
Buckles, nickel, roller, single, $1\frac{1}{4}$-inch	..	..	..	1	2
Buckles, nickel, roller, single, 1 „	..	..	1	4	6
Buckles, nickel, single, $1\frac{1}{2}$-inch	..	..	..	1	2
Buckles, nickel, single, $1\frac{1}{4}$ „	..	..	..	1	2
Buckles, nickel, single, 1 „	..	..	1	2	3
Buckles, nickel, single, $\frac{7}{8}$ „	..	..	1	2	3
Dees, nickel, $1\frac{1}{2}$-inch	..	..	..	1	2
Links, nickel, $1\frac{1}{4}$-inch	..	..	..	1	2
Loops, crupper, double, nickel	..	..	..	1	2
Rings, nickel, $1\frac{3}{4}$-inch	..	..	..	1	2
Rings, nickel, $1\frac{5}{8}$ „	..	..	..	1	2
Rings, nickel, $1\frac{1}{2}$ „	..	..	..	1	2
Screws, pad, iron	..	..	..	1	2
Squares, nickel, $1\frac{3}{4}$ in. × $1\frac{1}{4}$ in.	..	..	1	1	2

* 1 oz. per 5 pairs hair pannels in use.

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Harness and Saddlery—*continued.*

Supply.				War.		Remarks.
Saddlery.				3 Months' Supply.		
Sets.				Harness.	Saddlery.	
6	15	40	100	50 Double Sets.	100 Sets.	
..	..	..	..	..	..	
1	1	2	4	3	3	
..	1	2	5	..	..	For carbine buckets.
3	7	18	45	..	..	
1	2	5	12	..	..	
1	3	7	16	..	..	
1	2	5	12	..	..	
..	..	..	..	..	..	
0 4	0 12	2 0	5 0	2 4	2 4	
*	*	*	*	0 12	..	
0 1	0 2	0 4	0 8	1 8	..	½ oz. additional per pair hair pannels in use.
2	5	13	32	..	..	8 yards additional for each 25 steel arch universal saddles in use.
¼	¾	2	4¾	..	..	
½	1¼	3¼	8	..	..	
..	..	..	..	..	..	
..	..	..	..	6	..	
..	..	..	..	6	..	
..	..	..	..	18	..	
..	..	..	..	6	..	
..	..	..	..	6	..	
..	..	..	..	6	..	
..	..	..	..	6	..	
..	..	..	..	..	..	Harness, A.S.C., N.P. only.
..	..	..	..	..	..	
..	..	..	..	..	..	
..	..	..	..	..	..	
..	..	..	..	..	..	
..	..	..	..	..	..	
..	..	..	..	..	..	
..	..	..	..	..	..	

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Materials for Repair of

TABLE 1—*continued.*

	Peace—12 Months'				
		Harness.			
	Officers.	Single Sets.			
	5 Sets.	5	8	25	40
Woolwich Section, No. 7.					
Needles, darning, 3-inch	..	..	..	..	..
Wire, copper, No. 7 W.G., hard lbs. ozs.	..	..	0 1	0 2	0 4
Wire, iron, „ 1 „ „ „	..	0 2	0 3	0 8	1 0
Wire, „ „ 4 „ „ „	..	..	0 4	0 8	1 0
Woolwich Section, No. 9.					
Spelter, brass .. .. lbs. ozs.	..	0 1	0 1	0 3	0 5
Woolwich Section, No. 10.					
Nails, steel, clout, flathead, fine, No. 90.. .. .. lbs. ozs.	..	0 1	0 2	0 3	0 6
Tacks, steel, cut, No. 197 „	..	0 3	0 4	0 9	1 4
Screws, iron, flathead, ¾-inch, G, No. 10	..	2	2	3	5
Screws, iron, flathead, ⅜ „ „ 9	..	3	4	12	20
Screws, iron, flathead, 1¼ „ „ 14	2	..	..	..	..
Screws, iron, flathead, 1¼ „ „ 13	2	..	..	..	..
Woolwich Section, No. 11.					
Borax, refined .. .. lbs. ozs.	..	0 1	0 1	0 3	0 5
Glue, B.T.M. .. .. „	..	0 2	0 2	0 4	0 8
Ink, marking .. .. .. pints	..	⅛	⅛	¼	½
Mixture, stamping woollens .. „	..	..	..	..	..
Wax, bees' .. .. lbs. ozs.	0 2	0 1	0 1	0 2	0 4
Wax, black .. .. „	0 2	0 4	0 6	1 4	2 0
Woolwich Section, No. 18.					
Canvas, sail, No. 3 .. .. inches	..	3	3	6	10
Cordage, bolt, white, 3-inch fms.	..	..	..	4	7
Cordage, „ „ 1¾ „ „	..	..	..	12	24
Cordage, shroud laid, 2¾ „ „	..	..	..	4	7

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Harness and Saddlery—*continued.*

Supply.				War.		
Saddlery.				3 Months' Supply.		
Sets.				Harness.	Saddlery.	Remarks.
6	15	40	100	50 Double Sets.	100 Sets.	
..	..	..	..	6*	6*	* Per unit.
..	0 2	0 4	0 8	..	..	
..	..	..	..	..	..	
0 4	0 8	1 0	2 0	..	..	
0 1	0 2	0 5	0 12	..	..	
..	..	..	..	..	..	
0 3	0 8	1 4	3 0	0 12	0 12	
2	2	5	12	..	..	
3	8	20	50	..	..	
..	..	..	..	..	..	
..	..	..	..	..	..	
0 1	0 2	0 5	0 12	..	..	
0 2	0 4	0 8	1 0	..	..	
$\frac{1}{8}$	$\frac{1}{4}$	$\frac{1}{2}$	1	..	..	
..	..	..	..	..	..	$\frac{1}{4}$ pint per 150 blankets.
0 1	0 2	0 4	0 8	..	..	
0 4	0 10	1 10	4 0	0 2	0 6	
3	3	10	25	72†	72†	For nose bags.
..	..	..	..	..	..	
..	..	..	..	..	..	A.S.C.N.P. harness.
..	..	..	..	..	..	

† Per 100 nose bags.

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Materials for Repair of

TABLE 1—*continued.*		Peace—12 Months'			
		Harness.			
	Officers.	Single Sets.			
	5 Sets.	5	8	25	40
Woolwich Section, No. 26.					
Rivets, fire bucket, ½-inch, with washers	..	..	2	6	10
Rivets, hosepipe, ⅝-inch, g. 6, with washers	..	3	3	9	12
Woolwich Section, No. 27.					
Worsted, grey .. .. lbs. ozs.	..	0 2	0 2	0 4	0 7
Woolwich Section, No. 31.					
Blankets, old, pieces of .. lbs.	..	..	..	..	..
Linen, old, for cleaning.. lbs. ozs.	..	2 8	4 0	12 8	20 0
„ nosebags „ „	..	0 8	0 8	1 4	2 0

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Harness and Saddlery—*continued.*

Supply.				War.		
Saddlery.				3 Months' Supply.		
Sets.				Harness.	Saddlery.	Remarks.
6	15	40	100	50 Double Sets.	100 Sets.	
..	..	..	..	..	..	
3	6	12	30	..	..	
0 2	0 3	0 7	1 0	0 6†	0 6†	† Per 100 blankets.
..	..	..	..	3§	3§	§ Per 100 blankets.
1 8	3 8	10 0	25 0	..	..	
0 8	1 2	2 0	5 0	0 8*	0 8*	* Per 100 nosebags.

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Materials for Preservation of Harness and Saddlery.

TABLE 2.	Peace—12 Months' Supply.			War.		Remarks.
	Harness. Per Single Set.		Saddlery.	3 Months' Supply.		
				Harness.	Saddlery.	
	R.A., R.E., and Regimental Transport.	A. S. Corps.	Per Set.	Per Double Set.	Per Set.	
Woolwich Section, No. 11.						
Dubbing .. .. lbs.	½	½	¾	1½	¾	
Oil, rape .. .. pints	2	3	½	—	—	
Soap, soft .. .. .. lbs.	6	6	½	—	—	
Soap, yellow .. .. .. bars	2½	3¼	2½	1¼	5/16	

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Material for Repair

TABLE 3.

	Peace—12 Saddle-				
	Officers.	Drivers.			
	5	5	13	25	40
Woolwich Section, No. 6.					
Saddletrees, arches, iron, or steel, front	..	..	1	1	2
arches, iron, or steel, hind	..	..	1	1	2
bars, side, shaped, near	..	..	1	1	2
bars, side, shaped, off	..	..	1	1	2
cantles	1	..	..	..	..
dees	..	1	1	2	3
links	..	..	..	..	..
plates, for dees, universal	..	..	..	..	..
plates, „ links	..	..	..	..	..
plates, gullet, steel	1	..	..	..	..
plates, top, brass	1	..	..	..	..
plates, with buckle and crupper link	..	..	..	..	..
plates, „ dees, luggage	..	..	..	..	..
plates, „ squares, drivers'	..	..	2	4	6
plates, „ stirrup link and brass roller	..	..	1	1	4
rivets, copper, long	4	..	..	..	..
rivets, copper, short	9	..	..	..	..
rivets, iron, 1¼-inch	..	3	8	15	24
screws, brass, fine	8	..	..	..	..
squares, iron	..	2	2	4	6
staples, cloak and wallets, drivers'	..	1	2	4	6
staples, cloak and wallets, universal patt. '84	..	..	..	..	..
staples, flank drivers' and luggage	..	1	2	3	5
staples, girth	..	..	..	..	..
staples, wallet, N.P.	1	..	..	..	..
staples, wallet, O.P.	1	..	..	..	..
troughs, backband	..	..	..	..	..
washers, brass	2	..	..	..	..
Woolwich Section, No. 7.					
Paper, glass, middling .. sheets	..	..	1	1	2
Pencils, carpenters'	..	..	1	1	1
Wire, iron, soft, No. 7 W.G. (for rivets) .. lbs.	⅛	..	¼	¼	½
Woolwich Section, No. 11.					
Oil, inseed, raw .. pints	..	..	⅛	¼	¼
Varnish, Japan, black .. „	..	..	⅛	¼	¼
Varnish, spirit, shellac	⅛	..	⅛	¼	¼

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of Saddletrees.

Months' Supply.							War.		
trees.							3 Months' Supply.		
Luggage.			Universal.				Harness.	Saddlery.	Remarks.
5	13	25	6	15	40	100	50 Double Sets.	100 Sets.	
..	1	1	..	1	2	3	3†	3	†Drivers only.
..	1	1	..	1	1	2	3†	3	
..	1	2	..	1	3	6	3†	3	
..	1	2	..	1	3	6	3†	3	
..	..	..	..	..	..	..	..	..	
..	1	2	..	..	..	..	..	..	
..	..	..	1	2	4	10	..	..	
..	..	..	..	2	6	12	..	..	
..	..	..	..	2	6	12	..	..	
..	..	..	..	..	..	..	..	..	
..	..	..	..	..	..	..	..	..	
..	..	..	..	1	1	1	..	..	
1	3	5	..	..	..	..	..	..	
..	..	..	..	..	..	..	..	..	
..	..	..	..	1	4	8	..	..	
..	..	..	..	..	..	..	..	..	
..	..	..	..	..	..	..	..	..	
3	8	15	3	9	24	60	30	30	
..	..	..	..	..	..	..	..	..	
..	..	..	..	..	..	..	..	..	
1	2	4	..	..	..	..	6	..	
..	..	..	1	3	8	20	..	..	
1	2	3	..	..	..	..	..	..	
..	1	1	..	..	..	..	..	..	
..	..	..	..	..	..	..	..	..	
..	..	..	..	..	..	..	..	..	
..	1	1	..	..	..	..	..	..	
..	..	..	..	..	..	..	..	..	
..	..	1	..	1	2	4	..	..	
..	..	1	..	1	1	1	..	..	
..	¼	¼	..	¼	½	1	..	..	
..	..	..	..	⅛	¼	½	..	..	
..	⅛	¼	..	¼	½	1	..	..	
..	⅛	¼	..	¼	½	1	..	..	

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Materials for Repair and Preservation of Packsaddlery.

TABLE 4.

	Peace. 12 Months' Supply. Packsaddlery Sets. G.S. and R.A.			War. 3 Months' Supply. Packsaddlery Sets. G.S. and R.A.	Remarks.
	2	10	50	100	
Woolwich Section, No. 5.					
Buckles, strap, 1-inch	1	1	3	1	An establishment of 44 may draw, if necessary, the material set out in third column.
Woolwich Section, No. 6.					
Basils, brown, unstrained	..	½	1	..	
Buckles, iron, — black japanned, roller, single, — 1¾-inch bow leg	..	1	2	..	For R.A. packsaddlery only.
Buckles, iron, — black japanned, roller, single, — 1¼ " "	..	1	2	..	For R.A. packsaddlery only.
Buckles, iron, — black japanned, roller, single, — 1 " "	..	1	2	..	For R.A. packsaddlery only.
Buckles, iron, — tinned roller, single, — 3-inch ..	1	1	2	..	
Buckles, iron, — tinned roller, single, — 1½ " ..	1	1	3	..	
Buckles, iron, — tinned roller, single, — 1½ " bow leg	1	1	3	..	
Buckles, iron, — tinned roller, single, — 1¼ " ..	..	1	1	..	
Buckles, iron, — tinned roller, single, — 1 " ..	..	1	2	..	
Buckles, iron, — tinned roller, single, — ¾ " ..	..	1	2	..	
Buckles, iron, — tinned roller, double, — 1¼ " ..	..	1	1	..	
Buckles, iron, — tinned roller, double, — 1 " ..	..	1	1	..	
Buckles, iron, — tinned roller, double, — ¾ " ..	1	1	3	..	

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Chains, iron, tinned, with dees	..	..	..	1	1	..
Cloth, collar, white	..	.. yards	1	2½	12	1
Duck, packsaddle	..	.. „	1	2½	12	1
Felt, brown, 43 inches wide	..	.. inches	..	3	15	10
Hair, horse, saddlery	..	.. lbs.	½	2	8	3
Hides, brown — backs, collar	..	..	..	¼	2	¼
Hides, brown — cloak	..	..	..	⅛	¼	¼
Hides, brown — shoulders	..	..	..	..	½	..
Rings, iron, tinned — 1½-inch	..	..	..	1	2	..
Rings, iron, tinned — 1¾ „ slight	..	..	..	1	2	..
Rivets, copper, ½-inch, with washers	..	..	2	10	50	20
Squares, iron, tinned	..	..	..	1	2	..
Stops, iron, tinned	..	..	1	1	2	2
Studs, head collar	..	..	1	1	5	..
Thread, flax, fine	..	.. lbs.	¼	½	2	½
Thread, whited brown	..	.. „	⅛	¼	1	¼
Twine, quilting	..	.. „	⅛	¼	1	¼
Web, hemp, 3½-inch	..	.. yards	..	3½	18	..
Web, hemp, 2 „ thick	..	.. „		½	2½	12½	..
Web, hemp, 1¾ „ „	..	.. „		29/30	4	20¼	..
Woolwich Section, No. 7.							
Wire, copper, No. 19 W.G.	..	.. lbs.	..	¼	½	..
Woolwich Section, No. 11.							
Glue, B.T.M.	..	..	..	.. lbs.	..	½	2	..
Ink, marking	..	..	..	.. pints	..	⅛	½	..
Wax, bees'	..	..	..	lbs. ozs.	0 1	0 2	0 8	0 2
Wax, black	..	..	..	„ „	0 1	0 2	0 8	0 8

R.A. packsaddlery.
G.S. „

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Materials for Repair and Preservation of Packsaddlery—*continued.*

TABLE 4—*continued.*	Peace. — 12 Months' Supply.			War- — 3 Months' Supply.	Remarks.
	Packsaddlery Sets. — G.S. and R.A.			Packsaddlery Sets. — G.S. and R.A.	
	2	10	50	100	
Woolwich Section, No. 18.					
Canvas, sail, No. 3 .. .. .. inches	..	$2\frac{1}{2}$	$12\frac{1}{2}$	..	For nosebags.
Woolwich Section, No. 31.					
Linen, old, for cleaning .. .. .. lbs.	$\frac{1}{2}$	$2\frac{1}{2}$	$12\frac{1}{2}$	..	
„ nosebags and corn sacks.. „	..	$\frac{1}{2}$	$2\frac{1}{2}$	..	
Woolwich Section, No. 27.					
Packsaddlery, G.S.— Trees, Mark IV, large—					

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Arches, steel, front	..	..	..	1	2	..
Arches, steel, hind	..	..	..	1	2	..
Bars, side, shaped, near, upper	..	..	..	1	2	1
Bars, side, shaped, near, lower	..	..	..	1	2	..
Bars, side, shaped, off, upper	..	..	..	1	2	1
Bars, side, shaped, off, lower	..	..	..	1	2	..
Trees, Mark IV, small—						
Arches, steel, front	..	..	..	1	2	..
Arches, steel, hind	..	..	..	1	2	..
Bars, side, shaped, near	..	..	..	1	2	1
Bars, side, shaped, off	..	..	..	1	2	1
Woolwich Section, No. 13.						
Rivets, steel, countersunk head, $\frac{1}{4}'' \times 1\frac{1}{2}''$	..	3	8	20	..	

G.S. packsaddles, also Mark III.

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Materials for Preservation of Packsaddlery.

TABLE 6.		Peace. — 12 Months' Supply.	War. — 3 Months' Supply.
		Per Set.	Per Set.
Woolwich Section, No. 11.			
Dubbing	lbs.	$\frac{3}{4}$	$\frac{3}{8}$
Oil, rape	pints	$\frac{1}{2}$	..
Soap, soft	lbs.	$\frac{1}{2}$	..
Soap, yellow	bars	$2\frac{1}{2}$	$\frac{5}{16}$

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APPENDIX XV.

54
Gen. No.
7928

Mekometers.

1. History sheets in duplicate will be made out for each mekometer on the first occasion of issue. One copy will be retained by the Chief Inspector of Position-finding, and the other will accompany the instrument to which it relates. They will be compared whenever the instrument is returned to store, and the sheets will be carried on to completion as shown in the specimen page at end of appendix. History sheets.

2. Mekometers in possession of units proceeding to a foreign station (other than India) or on active service will be exchanged for an entire new set. Units going abroad.

3. The complete set of mekometer equipment in possession of units at home will be inspected annually at Woolwich so far as possible during the months given in the following table :— Annual inspection of mekometers at home.

Month.	All Artillery Mekometers and two Infantry Mekometers from each Battalion.	Remaining two Infantry Mekometers from each Battalion.
October ..	Aldershot, Eastern and Home Districts	
November ..	North-Eastern, North-Western and Scottish Districts	Aldershot, Eastern, and Home Districts
December ..	South-Eastern, Southern, Thames, and Western Districts	North-Eastern, North-Western, and Scottish Districts.
January ..	Woolwich, Belfast, and Channel Island	South-Eastern, Southern, Thames, and Western Districts
February ..	Cork, Curragh, and Dublin	Woolwich, Belfast, and Channel Islands
March		Cork, Curragh, and Dublin.

4. If any instrument in possession of units at home becomes unserviceable it will at once be returned for examination and repair, without waiting for the annual inspection. Unserviceable instruments to be returned at once.

5. When sending instruments from home stations, officers commanding units will forward them direct by rail (goods train) to the Principal Ordnance Officer, Royal Dockyard, Woolwich. The instruments are to be carefully packed in their leather cases, and Transit and packing.

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these cases wrapped in paper; the reels and cords to be also wrapped in paper, and the whole then placed in a wooden box. The box should be packed with tow, hay, or lumps of paper. The box should be marked conspicuously "Glass, with care," and contain a packing note (Army Form G, 1028) detailing the articles packed, and to which unit they belong.

Instruments to be re-remanded.

6. On dispatch of the instruments, officers commanding will, *at the same time*, transmit to the Principal Ordnance Officer, Woolwich, direct, the usual receipt and delivery vouchers, accompanied by the history sheet of the instruments, and will also at once put forward a demand for the return of the instruments from Woolwich. The registered numbers of the instruments will be quoted upon all documents relating to them.

Testing of infantry mekometers.

7. At stations where there is an inspector of musketry, the infantry mekometers will be occasionally tested by him, and, if found unserviceable, will be ordered to be returned to Woolwich as directed in paragraph 4.

Return of instruments from abroad.

8. Units serving abroad will put forward demands, as a rule, every two years, for the exchange of their range-finding equipment for the purpose of its being inspected by the Chief Inspector of Position-Finding. Should, however, at any time the instruments become unserviceable, steps should at once be taken to replace them. The old equipment will be sent home by the Local Ordnance Officer to Principal Ordnance Officer, Royal Arsenal, Woolwich.

Report of condition to be made.

9. When an instrument is returned for any purpose, a report on its condition at the time will be made on a half sheet of foolscap paper, signed by the officer commanding, and pinned to the history sheet. The report will consist of answers to questions in the following form :—

CONDITION OF INSTRUMENT, No. MARK.

Are the parts and fittings complete and in good order?
Is the right instrument correct?
Is the left instrument correct?
Are the cords and reels correct?
Are the telescopes and handles correct?
Are the cases correct?
In case of damage or deficiency, state how it occurred.

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SPECIMEN FORM OF HISTORY SHEET.

Army Form G 920

Description { Depression Range-finder. Mark. Number Manufacturer
Field " " " "
" Mekometer. " " "
" Telemeter. " " "

Inspection before Acceptance. Date

Signature of Inspecting Officer.

Issues and Exchanges.				Inspections.				Repairs.		Signature of Officer who makes the entry.*
Date.	From.	To.	For.	Date.	Occasion.	Remarks of Inspecting Officer.	Recommendation.	Date of completion.	By.	
20.2.97	P.O.O.	C.O.O., Aldershot	Service ...	...	...	...	...	...	...	(Sd.) P.O.O., Woolwich.
1.3.97	C.O.O. Aldershot	O.C.J. | R.H.A.	Service ...	...	...	...	...	...	...	(Sd.) C.O.O., Aldershot.
21.12.97	O.C.J. | R.H.A.	I.R. Finding ...	Inspection ...	...	...	...	...	...	...	(Sd.) O.C.J. | R.H.A.
...	...	...	...	3.1.98	Annual ...	Good order ...	Service ...	...	...	(Sd.) I.R. Finding.
8.1.98	I.R. Finding ...	O.C.J. | R.H.A.	Service ...	...	...	...	...	...	...	(Sd.) I.R. Finding.
20.2.98	O.C.J. | R.H.A.	I.R. Finding ...	Inspection ...	...	...	...	...	...	...	(Sd.) O.C.J. | R.H.A.
...	...	...	...	22.2.98	Special ...	Out of adjustment. Reading 8% high	Readjustment and repair	...	...	(Sd.) I.R. Finding.
24.2.98	I.R. Finding ...	O.C.J. | R.H.A.	Return to store	...	...	...	...	...	...	(Sd.) I.R. Finding.
26.2.98	O.C.J. | R.H.A.	Ord. Offr., Aldershot	Exchange	...	...	...	...	...	...	(Sd.) O.C.J. | R.H.A.
28.2.98	Ord. Offr., Aldershot	P.O.O., Woolwich	Repair ...	...	...	...	...	...	...	(Sd.) Ord. Offr., Aldershot.

* First line of heading will be filled in by P.O.O.
Second line by inspecting officer.
Remaining entries will be made as follows:—
Issue to corps, or to C.O.O. abroad by P.O.O., also name of instrument-maker who executes repairs.
Return to Store by officer returning the instrument.
Inspection by inspecting officer.

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PART I.

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